

**PRICES-CURRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
16TH JULY 1890.**

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

| Number. | DISTRICTS. | QUANTITIES PER RUPEE IN | | | | | | | | | | | | | | | | | |
|--------------------|-----------------|-------------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|---|------------------------|------------------------------------|--|--|--|
| | | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR OHOLUM. (<i>Sorghum Vulgare</i> .) | | | | | |
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | |
| BENGAL. | | | | | | | | | | | | | | | | | | | |
| Western Districts. | | | | | | | | | | | | | | | | | | | |
| 1 | Bardwan .. | 14 0 | 14 0 | 12 8 | ... | ... | ... | 12 0 | 12 0 | 11 4 | 14 13 | 15 9 | 13 14 | ... | ... | ... | | | |
| 2 | Bankoora .. | 14 0 | 14 8 | 13 8 | 20 0 | 20 0 | 17 0 | 15 0 | 16 0 | 14 8 | 18 0 | 17 8 | 17 4 | ... | ... | ... | | | |
| 3 | Boerbhoom ... | 16 8 | 16 8 | 15 0 | ... | ... | ... | 13 8 | 13 8 | 12 0 | 16 8 | 16 0 | 13 8 | ... | ... | ... | | | |
| 4 | Midnapore ... | 13 0 | 13 0 | 12 0 | ... | ... | ... | 12 12 | 13 0 | 12 8 | 16 4 | 15 10 | 15 8 | ... | ... | ... | | | |
| 5 | Hooghly ... | 13 0 | 13 0 | 13 0 | ... | ... | ... | 8 0 | 8 0 | 8 0 | 13 0 | 13 0 | 12 8 | ... | ... | ... | | | |
| | Howrah ... | ... | ... | ... | ... | ... | ... | 11 4 | 11 8 | 10 0 | 13 4 | 14 8 | 13 4 | ... | ... | ... | | | |
| Central Districts. | | | | | | | | | | | | | | | | | | | |
| | Calcutta .. | 13 9 | 13 6 | 12 10 | 17 7 | 16 8 | 16 7 | 8 14 | 8 11 | 8 9 | 13 1 | 13 0 | 12 10 | 13 13 | 13 0 | ... | | | |
| 6 | 24-Pergunnahs | 15 0 | 15 0 | 14 0 | 18 0 | 17 0 | 16 0 | 8 0 | 8 0 | 7 0 | 13 13 | 14 0 | 13 0 | ... | ... | ... | | | |
| 7 | Nudda ... | 15 10 | 15 0 | 15 0 | 20 0 | 20 0 | 17 12 | 11 3½ | 11 7 | 11 7 | 12 13 | 12 14 | 13 7 | ... | ... | ... | | | |
| 8 | Khoolna ... | ... | ... | ... | ... | ... | ... | 13 0 | 12 8 | 11 0 | 14 4 | 17 0 | 13 0 | ... | ... | ... | | | |
| 9 | Jessore ... | 13 4 | 13 4 | 13 4 | ... | ... | ... | 12 0 | 11 0 | 11 0 | 16 0 | 14 8 | 13 0 | ... | ... | ... | | | |
| 10 | Moorshedabad | 16 0 | 16 0 | 14 0 | ... | ... | ... | 11 0 | 11 0 | 11 0 | 15 0 | 15 0 | 14 0 | ... | ... | ... | | | |
| 11 | Dinagpore | 15 0 | 15 8 | 13 8 | 17 0 | 16 0 | 25 4 | 13 4 | 13 4 | 12 0 | 15 9 | 15 9 | 13 12 | ... | ... | ... | | | |
| 12 | Rajshahye ... | 16 8 | 16 8 | 15 0 | 21 0 | 19 8 | 26 4 | 12 12 | 12 12 | 11 4 | 13 11 | 13 8 | 12 12 | ... | ... | ... | | | |
| 13 | Rungpore ... | 13 5 | 13 5 | 14 8 | ... | ... | ... | 9 6 | 9 6 | 10 5 | 13 5 | 13 5 | 14 8 | ... | ... | ... | | | |
| 14 | Bogra ... | 16 14 | 15 12 | 13 5 | ... | ... | ... | 12 0 | 12 0 | 10 14 | 17 4 | 17 4 | 14 4 | ... | ... | ... | | | |
| 15 | Pubna ... | 18 0 | 19 0 | 16 8 | ... | ... | ... | 7 0 | 7 8 | 7 8 | 15 0 | 14 4 | 13 14 | ... | ... | ... | | | |
| 16 | Darjeeling ... | 10 0 | 10 0 | 10 0 | 9 0 | 9 0 | 10 0 | 5 0 | 5 0 | 6 0 | 9 0 | 11 0 | 11 0 | ... | ... | ... | | | |
| 17 | Julpigoree .. | 13 0 | 13 0 | 11 0 | 16 0 | 16 0 | 16 0 | 8 0 | 8 0 | 8 0 | 14 0 | 14 0 | 12 10 | ... | ... | ... | | | |
| Eastern Districts. | | | | | | | | | | | | | | | | | | | |
| 18 | Dacca ... | 13 0 | 13 0 | 13 0 | 16 0 | 16 0 | 26 0 | 13 0 | 12 0 | 13 0 | 14 0 | 13 0 | 14 0 | ... | ... | ... | | | |
| 19 | Furroodpore ... | 15 0 | 15 0 | 16 0 | 20 0 | 20 0 | ... | 10 0 | 10 0 | 8 0 | 15 0 | 15 0 | 12 0 | ... | ... | ... | | | |
| 20 | Backergunge ... | ... | ... | ... | ... | ... | ... | 12 5 | 12 5 | 11 0 | 14 8 | 14 0 | 12 0 | ... | ... | ... | | | |
| 21 | Mymensingh ... | 11 4 | 11 8 | 10 0 | ... | ... | ... | 10 0 | 10 4 | 11 0 | 13 8 | 13 8 | 13 0 | ... | ... | ... | | | |

A In subdivisions retail prices of salt per rupee are :—Culina 10 seers, Cutwa 10 seers 6 chittacks, and Manegunge 10½ seers.

B At Rampore Haut retail price of salt 9½ seers per rupee.

C In subdivisions retail prices of salt per rupee are :—Contal 9½ seers, Tumlook 8 seers, and Ghatal 10½ seers.

D In subdivisions wholesale prices of salt per rupee are :—Serampore s.a. 3-12 and Jehanabad Rs. 8-14 per maund.

E In subdivisions retail prices of salt per rupee are :—Baraset 10 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F In subdivisions retail prices of salt per rupee are :—Koochta 10 seers, Meherpore 9 seers, Chocadanga 10 seers, and Ranaghat 9 seers 2 chittacks.

G At Satkhira retail price of salt 9 seers 13 chittacks per rupee.

H In subdivisions retail prices of salt per rupee are :—Jhanida 9 seers, Magura 9 seers 12 chittacks, Narail 9½ seers, and Bongaong 10 seers.

I In subdivisions retail prices of salt per rupee are :—Laibagh 9 seers, Jungipore 10 seers, and Kandi 10 seers.

the 15th July, 1880.

SEETS OF 80 TOLAHS.

| | |
|---|---|
| Present return. | BATRA OR CUREDU. (<i>Pennisetum typho-</i> <i>ideum</i> .) |
| Next preceding re- turn. | |
| Corresponding re- turn of last year. | |
| Present return. | MARUA OR RAUL. (<i>Elettaria Coromana</i> .) |
| Next preceding re- turn. | |
| Corresponding re- turn of last year. | |
| Present return. | KARGOT OR KAKUR, ITALIAN MILLET. (<i>Scleria italica</i> .) |
| Next preceding re- turn. | |
| Corresponding re- turn of last year. | |
| Present return. | GHAM, CHAM, CHORUA, KADALAY OR SURAGA. (<i>Cyperus arifolium</i> .) |
| Next preceding re- turn. | |
| Corresponding re- turn of last year. | |

| | |
|---------------------------------------|---|
| Corresponding return of last year. | ISS- CONROY NASOR, CAPTAIN, OR BLACKSMITH. |
| Present return. | |
| Next preceding return. | |
| Corresponding return of last year. | |

DISTRICTS.

BENGAL.

Paterson District.

| | | | | | |
|----|----|----|---|----|---|
| 20 | 0 | 19 | 0 | 16 | 8 |
| 17 | 0 | 17 | 8 | 15 | 0 |
| 18 | 12 | 18 | 0 | 16 | 0 |
| 15 | 8 | 15 | 0 | 14 | 8 |
| 16 | 0 | 16 | 0 | 16 | 0 |
| 18 | 12 | 20 | 0 | 16 | 8 |

| | 1897. | 1898. | 1899. | 1900. |
|------------|-------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| Burdwan. | { 60 to 15 0 } | { 10 to 15 0 } | { 10 to 15 0 } | { 10 to 15 0 } |
| Bankura. | { 6 0 } | { 9 0 } | { 7 8 to 16 0 } | { 9 0 to 16 0 } |
| Beerbhoom. | { 9 0 } | { 16 0 } | { 16 0 } | { 18 } |
| Midnapore. | { B 0 } | { 13 0 } | { 10 0 } | { 7 8 } |
| Hogghly. | { 0 to 40 0 } | { 8 0 to 80 0 } | { 10 0 to 30 0 } | { 10 0 to 30 0 } |
| Havrath. | { 0 to 25 0 } | { 7 8 to 12 0 } | { 7 4 to 12 0 } | { 7 8 to 12 0 } |

Control Districts

[illegible]

| | | | | | | | | |
|----------------|----|---------------------------|----------------------------|----|-------------------|-------------------|----|---|
| Calcutta. | 6 | 0 | 15 | 0 | 15 | 0 | 15 | 0 |
| 24-Pergunnahs. | 6 | 0 | { 15 0 15 0 to to to } | 15 | 0 | { 15 0 to to } | 15 | 0 |
| Nuddea. | 7 | 0 | { 30 0 25 0 7 8 7 8 } | 25 | 0 | { 7 8 to to } | 7 | 8 |
| Khoosha. | 7 | 0 | { 15 0 15 0 12 0 12 0 } | 15 | 0 | { 15 0 to to } | 15 | 0 |
| Jessore. | 8 | 0 | { 30 0 25 0 10 0 10 0 } | 30 | 0 | { 30 0 to to } | 30 | 0 |
| Moorshedabad. | 9 | 0 | { 15 0 15 0 7 8 5 0 } | 15 | 0 | { 7 8 to to } | 7 | 8 |
| Dinapore. | 10 | 0 | { 10 0 20 0 10 0 10 0 } | 10 | 0 | { 10 0 to to } | 10 | 0 |
| Rajahmhye. | 8 | 0 | { 15 0 15 0 8 0 8 0 } | 15 | 0 | { 15 0 to to } | 8 | 0 |
| Rungpoor. | 0 | { 20 0 15 0 to to to } | 20 | 0 | { 20 0 to to } | 20 | 0 | |
| Bogra. | 5 | 0 | { 10 0 10 0 to to to } | 10 | 0 | { 10 0 to to } | 10 | 0 |
| Putha. | 7 | 0 | { 30 0 30 0 7 0 7 0 } | 30 | 0 | { 30 0 to to } | 30 | 0 |
| Darjeeling. | 15 | 0 | { 15 0 15 0 20 0 20 0 } | 15 | 0 | { 15 0 to to } | 15 | 0 |
| Julpore. | 15 | 0 | { 15 0 15 0 20 0 20 0 } | 15 | 0 | { 15 0 to to } | 15 | 0 |

Евгения Дмитриевна

| | | | | | |
|----|---|----|---|----|---|
| 13 | 0 | 14 | 0 | 14 | 0 |
| 16 | 0 | 16 | 0 | 16 | 0 |
| 16 | 8 | 15 | 4 | 14 | 8 |
| 14 | 0 | 13 | 0 | 13 | 0 |

[illegible]

1582a

mg 1/2 room 9 chittack.
amari 9 room.

subunguis 8 seen 14 ditto's, and Maria-
pore 9 seen, and Bhola 8 seen,
all 10 seen, Jamulpore 10 seen, Sherepore 8 seen.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

| Number. | | DISTRICTS. | | QUANTITIES PER RUPEE IN | | | | | | | | | | | | | | | | | |
|------------------------------|-------------------------|------------|---------|-------------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|--|------------------------|------------------------------------|--|--|--|
| | | | | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (Sorghum Vulgare.) | | | | | |
| | | | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | |
| Eastern Districts—concluded. | | | | | | | | | | | | | | | | | | | | | |
| 22 | Chittagong ... | 11 0 | 11 0 | 10 0 | ... | ... | ... | 12 0 | 12 0 | 10 0 | 15 0 | 15 8 | 11 10 | ... | ... | ... | | | | | |
| 23 | Noakholly* ... | ... | ... | ... | ... | ... | ... | 13 8 | 12 0 | ... | 14 0 | 14 0 | ... | ... | ... | ... | | | | | |
| 24 | Tipperah ... | 13 14½ | 13 5 | 12 0 | ... | ... | ... | 10 0 | 10 0 | 13 0 | 13 14½ | 13 5 | 14 0 | ... | ... | ... | | | | | |
| 25 | Chittagong Hill Tracts. | ... | ... | ... | ... | ... | ... | 10 10½ | 11 6 | 9 6 | 11 6½ | 12 5 | 10 0 | ... | ... | ... | | | | | |
| | Hill Tipperah | 6 0 | 8 6 | 6 0 | ... | ... | ... | 8 0 | 8 0 | 8 0 | 15 0 | 13 0 | 13 0 | ... | ... | ... | | | | | |
| 26 | BEHAR. | | | | | | | | | | | | | | | | | | | | |
| | Patna ... | 17 4½ | 18 4½ | 16 8 | 23 8 | 24 0 | 18 8 | 10 8 | 10 8 | 10 0 | 16 7 | 16 12 | 13 4 | 22 0 | 21 0 | 19 0 | | | | | |
| 27 | Gya ... | 16 4 | 17 4 | 15 8 | 22 0 | 21 0 | 19 8 | 11 8 | 9 8 | 8 4 | 15 8 | 15 8 | 12 8 | ... | ... | ... | | | | | |
| 28 | Shahabad ... | 16 0 | 15 0 | 14 8 | 20 0 | 20 0 | 18 4 | 9 0 | 8 0 | 8 8 | 14 0 | 14 0 | 12 8 | 16 0 | 18 0 | ... | | | | | |
| 29 | Durbhanga ... | 15 6 | 15 6 | 13 4 | 20 14 | 21 0 | 17 4 | 13 0 | 13 3 | 9 2 | 15 6 | 15 6 | 12 8 | ... | ... | ... | | | | | |
| 30 | Mosufferpore ... | 17 0 | 17 8 | 13 0 | 22 0 | 20 0 | 16 0 | 9 0 | 9 0 | 9 0 | 14 0 | 15 0 | 12 8 | ... | ... | ... | | | | | |
| 31 | Sarun ... | 16 4 | 16 4 | 14 12 | 21 4 | 21 8 | 18 4 | 8 8 | 8 8 | 8 8 | 14 3 | 14 0 | 11 14 | ... | ... | ... | | | | | |
| 32 | Chumparun ... | 17 0 | 18 0 | 14 0 | 23 0 | 24 0 | 17 8 | 8 0 | 8 13 | 8 0 | 15 0 | 13 0 | 11 0 | ... | ... | ... | | | | | |
| 33 | Monghyr ... | 18 6 | 18 14 | 16 12 | 22 0 | 23 1 | 17 4 | 12 0 | 11 8 | 10 8 | 15 12 | 15 12 | 12 1 | ... | 16 12 | ... | | | | | |
| 34 | Bhagulpore ... | 17 11 | 17 11 | 15 12 | 21 7 | 22 11 | 17 10 | 10 1/10 | 11 6 | 11 6 | 13 14 | 13 14 | 12 10 | ... | ... | ... | | | | | |
| 35 | Purneah ... | 18 0 | 18 0 | ... | ... | ... | ... | 15 0 | 15 0 | ... | 17 0 | 16 0 | ... | ... | ... | ... | | | | | |
| 36 | Maldah ... | 18 8 | 18 0 | 15 0 | ... | ... | ... | 12 0 | 10 0 | 10 0 | 14 0 | 14 0 | 12 8 | ... | ... | ... | | | | | |
| 37 | Sonthal Pergha. | 14 0 | 14 0 | 12 8 | ... | ... | ... | 13 0 | 13 0 | 12 8 | 16 0 | 16 0 | 14 8 | ... | ... | ... | | | | | |
| ORISSA. | | | | | | | | | | | | | | | | | | | | | |
| 38 | Cuttack ... | 14 7 | 10 8 | 10 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | 15 12½ | 17 1 | 13 2 | ... | ... | ... | | | | | |
| 39 | Pooree ... | 10 8 | 10 8 | 9 5 | ... | ... | ... | 13 2 | 13 2 | 11 13 | 17 1½ | 21 0 | 14 7 | ... | ... | ... | | | | | |
| 40 | Balsore ... | 15 0 | 15 0 | 16 0 | 13 0 | 13 0 | 13 0 | 11 0 | 11 0 | 13 0 | 16 0 | 16 0 | 17 0 | ... | ... | ... | | | | | |
| CHOTA NAGPORE. | | | | | | | | | | | | | | | | | | | | | |
| South-West Frontier Agency. | | | | | | | | | | | | | | | | | | | | | |
| 41 | Hazaribagh ... | 14 0 | 14 8 | 12 0 | 18 0 | 13 0 | 12 0 | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | | | | | |
| | | to 16 0 | to 15 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 42 | Lohardugga ... | 8 0 | 8 0 | ... | ... | ... | ... | 14 0 | ... | 12 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | | | | | |
| | | White. | Red. | ... | ... | ... | ... | ... | ... | ... | Ordinary. | Coarse. | ... | ... | ... | ... | | | | | |
| 43 | Singbhoom ... | 14 0 | 14 14 | 10 0 | 20 0 | 14 0 | 12 0 | 16 0 | 12 0 | 16 0 | 18 0 | 18 0 | 20 0 | ... | ... | ... | | | | | |
| | | 12 0 | 12 0 | 10 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| 44 | Manbhoom ... | 14 0 | 14 0 | 12 0 | ... | ... | ... | 12 0 | 13 0 | 12 0 | 18 0 | 19 0 | 17 0 | ... | ... | ... | | | | | |

* Present return not received.

† Price of common rice at Jajpore 19 seers 11 chittacks and at Kendrapara 18 seers 6 chittacks per rupee.

‡ Rise in price attributed to less importation owing to heavy rain.

§ At Cox's Bazar wholesale price of salt Rs. 5 per maund.

T In subdivisions retail prices of salt per rupee are:—Buxar 10 seers, Samseram 10½ seers, and Bhabuah 9½ seers.

U In subdivisions retail prices of salt per rupee are:—Madhubani 10 seers and Samastipore 10½ seers.

V In subdivisions retail prices of salt per rupee are:—Raipore 9½ seers and Sitamarhi 10 seers.

ERS OF 80 TOLAHs.

[illegible]

Station Bazars of the Districts of Bengal on the 15th July, 1890—(concluded).

| | | | WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | DISTRICTS. |
|------------------------------|------------------------|------------------------------------|---|------------------------|------------------------------------|--|------------------------|------------------------------------|----------------------------|------------------------|------------------------------------|---|------------------------|------------------------------------|-------------------------|
| SALT. | | | SALT. | | | ABLE-BODIED AGRICULTURAL LABOURER. | | | STOCK OR HORSE- KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| Eastern Districts—concluded. | | | | | | | | | | | | | | | |
| 9 0 | 9 0 | 10 0 | 3 14 0 | 3 14 0 | 3 14 0 | 9 0 | 1 8 | 8 0 | 7 0 | 8 0 | 8 0 | 12 0 | 9 8 | 9 4 | Chittagong. |
| ... | 9 0 | 9 0 | ..... | 4 0 0 | 4 0 0 | 4 0 | 7 0 | 6 0 | 5 0 | 5 0 | 5 0 | 5 0 | 8 0 | 8 0 | |
| 9 11 | 9 11 | 9 0 | 4 2 0 | 4 2 0 | 4 4 0 | 10 0 | 10 0 | 10 0 | 6 0 | 7 0 | 6 0 | 10 0 | 18 0 | 14 0 | Noakholly. |
| 8 0 | 8 0 | 8 0 | 4 8 0 | 4 8 0 | 4 8 0 | 12 0 | 12 0 | 12 0 | 6 0 | 7 0 | 7 0 | 8 0 | 8 0 | 8 0 | |
| 8 0 | 8 0 | 8 0 | 4 6 0 | 4 6 0 | 4 6 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 15 0 | Tipperah. |
| 8 0 | 8 0 | 8 0 | 4 6 0 | 4 6 0 | 4 6 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 15 0 | |
| 8 0 | 8 0 | 8 0 | 4 6 0 | 4 6 0 | 4 6 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 15 0 | Chittagong Hill Tracts. |
| 8 0 | 8 0 | 8 0 | 4 6 0 | 4 6 0 | 4 6 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 15 0 | |
| 10 0 | 10 0 | 9 8 | 3 13 0 | 3 13 0 | 3 13 0 | 4 0 | 4 0 | 4 0 | 4 8 | 4 8 | 4 8 | 7 0 | 7 0 | 7 0 | BHEAR. |
| 9 2 | 9 2 | 9 2 | 4 1 0 | 4 2 0 | 4 2 0 | 5 0 | 5 0 | 5 0 | 5 0 | 5 0 | 5 0 | 8 0 | 8 0 | 8 0 | |
| T | 10 0 | 10 0 | 3 15 0 | 3 15 0 | 3 15 0 | 5 0 | 5 0 | 5 0 | 4 0 | 4 0 | 4 0 | 6 0 | 6 0 | 6 0 | Gya. |
| U | 10 0 | 10 8 | 3 8 0 | 3 12 0 | 3 14 2 | 3 12 | 3 12 | 3 12 | 3 0 | 3 0 | 3 0 | 3 12 | 3 12 | 3 12 | |
| V | 10 0 | 10 0 | 4 0 0 | 3 12 0 | 3 12 0 | 3 12 | 3 12 | 3 12 | 3 0 | 3 0 | 3 0 | 4 0 | 5 10 | 7 8 | Shahabad. |
| 10 0 | 9 12 | 10 0 | 3 14 6 | 4 1 6 | 3 14 6 | 3 12 | 3 12 | 3 12 | 4 0 | 4 0 | 4 0 | 5 10 | 5 10 | 5 10 | |
| W | 10 0 | 10 8 | 3 12 0 | 3 12 0 | 4 1 0 | 3 12 | 3 12 | 3 12 | 4 0 | 4 0 | 4 0 | 5 10 | 5 10 | 5 10 | Durbhunga. |
| X | 9 15 | 9 14 | 3 13 0 | 3 13 9 | 4 2 0 | 4 11 | 5 10 | 4 0 | 3 0 | 3 0 | 3 0 | 5 10 | 6 0 | 5 0 | |
| Y | 9 0 | ... | 4 7 0 | 4 7 0 | | 5 10 | 5 10 | 4 11 | 4 0 | 4 0 | 4 0 | 7 0 | 7 0 | 7 0 | Monghyr. |
| 9 8 | 9 8 | 9 8 | 4 1 0 | 4 2 0 | 4 0 0 | 7 8 | 7 8 | 7 8 | 5 0 | 5 0 | 5 0 | 18 0 | 18 0 | 18 0 | |
| 9 8 | 9 4 | 9 0 | 3 14 0 | 3 14 0 | 4 3 0 | 3 14 | 3 12 | 3 12 | 5 0 | 5 0 | 5 0 | 7 8 | 7 8 | 7 8 | Bhagulpore. |
| 8 0 | 8 0 | 8 0 | 4 7 0 | 4 7 0 | 4 7 0 | 5 0 | 5 0 | 5 0 | 4 8 | 4 8 | 4 8 | 6 0 | 6 0 | 6 0 | |
| Z | 11 0 | 10 8 | 3 7 0 | 3 8 0 | 3 12 0 | 7 8 | 7 0 | 6 0 | 5 0 | 5 0 | 5 0 | 7 8 | 8 0 | 8 0 | Purnea. |
| Z1 | 10 0 | 9 0 | 3 14 0 | 3 14 0 | 4 0 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 7 0 | 7 0 | 7 0 | |
| 8 0 | 8 0 | 8 0 | 4 7 0 | 4 7 0 | 4 7 0 | 5 0 | 5 0 | 5 0 | 4 8 | 4 8 | 4 8 | 6 0 | 6 0 | 6 0 | Maldah. |
| 8 12 | 8 8 | 7 8 | 4 8 0 | 4 11 0 | 5 4 0 | 2 13 | 3 4 | 3 4 | 3 8 | 3 8 | 3 8 | 3 12 | 4 11 | 4 11 | |
| 8 0 | 8 0 | 7 0 | 4 12 0 | 4 12 0 | 5 8 0 | 3 0 | 3 0 | 3 0 | 4 0 | 4 0 | 4 0 | 12 0 | 12 0 | 12 0 | Sonthal Perghs. |
| 9 2 | 9 9 | 8 0 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 9 6 | 9 6 | |
| ORISSA. | | | | | | | | | | | | | | | |
| 8 0 | 8 0 | 8 0 | 4 7 0 | 4 7 0 | 4 7 0 | 5 0 | 5 0 | 5 0 | 4 8 | 4 8 | 4 8 | 6 0 | 6 0 | 6 0 | Cuttack. |
| 11 0 | 10 8 | 9 13 | 3 7 0 | 3 8 0 | 3 12 0 | 7 8 | 7 0 | 6 0 | 5 0 | 5 0 | 5 0 | 7 8 | 8 0 | 8 0 | |
| 10 0 | 10 0 | 9 0 | 3 14 0 | 3 14 0 | 4 0 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 7 0 | 7 0 | 7 0 | Pooree. |
| 8 8 | 8 0 | 8 0 | 4 4 0 | 4 4 0 | 4 8 0 | 4 0 | 4 8 | 3 12 | 5 0 | 5 0 | 5 0 | 8 0 | 7 8 | 8 0 | |
| 8 12 | 8 8 | 7 8 | 4 8 0 | 4 11 0 | 5 4 0 | 2 13 | 3 4 | 3 4 | 3 8 | 3 8 | 3 8 | 3 12 | 4 11 | 4 11 | Balasore. |
| 8 0 | 8 0 | 7 0 | 4 12 0 | 4 12 0 | 5 8 0 | 3 0 | 3 0 | 3 0 | 4 0 | 4 0 | 4 0 | 12 0 | 12 0 | 12 0 | |
| Z2 | 9 2 | 9 9 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | Singbhoom. |
| 9 2 | 9 9 | 8 0 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | |
| CHOTA NAGPORE. | | | | | | | | | | | | | | | |
| South-West Frontier Agency. | | | | | | | | | | | | | | | |
| 8 8 | 8 0 | 8 0 | 4 4 0 | 4 4 0 | 4 8 0 | 4 0 | 4 8 | 3 12 | 5 0 | 5 0 | 5 0 | 8 0 | 7 8 | 8 0 | Hazaribagh. |
| 8 12 | 8 8 | 7 8 | 4 8 0 | 4 11 0 | 5 4 0 | 2 13 | 3 4 | 3 4 | 3 8 | 3 8 | 3 8 | 3 12 | 4 11 | 4 11 | |
| 8 0 | 8 0 | 7 0 | 4 12 0 | 4 12 0 | 5 8 0 | 3 0 | 3 0 | 3 0 | 4 0 | 4 0 | 4 0 | 12 0 | 12 0 | 12 0 | Lohardugga. |
| 9 2 | 9 9 | 8 0 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | |
| 9 2 | 9 9 | 8 0 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | Manbhoom. |
| 9 2 | 9 9 | 8 0 | 4 0 0 | 4 4 0 | 4 8 0 | 4 3 6 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | |

W At Bettiah retail price of salt 9½ seers per rupee.

X In subdivisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.

Y In subdivisions retail prices of salt per rupee are:—Kishangunge 8 seers and Arrah (Raneegunge) 10 seers.

Z In the Khoorda subdivision retail price of salt 10½ seers per rupee.

Z1 At Bhudruk retail price of salt 8 seers per rupee.

Z2 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

| Number. | MARTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | |
|---------|------------------|---------------------------|-------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|-----------------|-----------------|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | |
| 1 | Calcutta ... | R. A. P. 2 11 2 | R. A. P. 2 11 11 | R. A. P. 2 14 3 | R. A. P. 2 1 1 | R. A. P. 2 3 1 | R. A. P. 2 3 3 | R. A. P. 4 3 10 | R. A. P. 4 5 2 | R. A. P. 4 6 2 | R. A. P. 2 13 1 | R. A. P. 2 13 2 | R. A. P. 2 14 0 |
| 2 | Bengalpurge ... | 2 1 0 | 2 5 0 | 2 2 0 | ... | ... | ... | 4 8 0 | 4 11 0 | 4 0 0 | 2 12 0 | 2 12 0 | 2 10 0 |
| 3 | Dacca ... | 3 0 0 | 3 0 0 | 3 0 0 | 2 7 0 | 2 7 0 | 1 8 0 | 3 0 0 | 3 4 0 | 3 0 0 | 2 13 0 | 3 0 0 | 2 12 0 |
| 4 | Narsingpurge ... | ... | ... | ... | ... | ... | ... | 3 0 0 | 3 2 0 | 3 0 0 | 2 14 0 | 2 14 0 | 2 12 0 |
| 5 | Chittagong ... | 3 8 0 | 3 8 0 | 3 12 0 | ... | ... | ... | 3 4 0 | 3 4 0 | 4 0 0 | 2 10 0 | 2 8 0 | 3 3 0 |
| 6 | Patna ... | { 3 4 6 2 3 0 2 6 6 | Red. White. 2 5 0 | ... | 1 10 6 | 1 10 3 | 2 2 6 | 3 12 0 | 3 12 0 | 3 14 0 | 2 6 0 | 2 5 6 | 2 15 0 |
| 7 | Balacore ... | 2 8 0 | 2 8 0 | 2 6 0 | 3 0 0 | 3 0 0 | 3 0 0 | 3 8 0 | 3 8 0 | 3 0 0 | 2 6 0 | 2 6 0 | 2 5 0 |
| 8 | Pooree ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 4 0 | 1 14 0 | 2 6 0 |
| 9 | Cuttack ... | 3 10 0 | 3 10 0 | 3 10 0 | ... | ... | ... | 3 10 0 | 3 10 0 | 3 10 0 | 2 5 0 | 2 2 0 | 3 0 0 |

Calcutta,
The 22nd July, 1890.

| PRICES PER MAUD | | | | | |
|------------------------------------|---|---|--|--|--|
| | JOMAR OR CHOULE. (<i>Sorghum Vulgare.</i>) | BATHA OR CUERE (<i>Pennisetum typhaeformis.</i>) | | | |
| Present return. | | | | | |
| Next preceding return. | | | | | |
| Corresponding return of last year. | | | | | |
| Present return. | | | | | |
| Next preceding return. | | | | | |
| Corresponding return of last year. | | | | | |

OF 40 BEARS.

[illegible]

15684

in the undermentioned *Marts* of Bengal on the 15th July, 1890.

| GRAM, CHAMA, CHHOLA, KADALAY OR SUNAGA. (<i>Cicer Arietinum</i> .) | | | INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .) | | | ARHAR OR THUR. CAJAN PEA. (<i>Cajanus indicus</i> .) | | | PINKWOOD. | | | SALT. | | | MARTS. |
|---|------------------------|------------------------------------|---|------------------------|------------------------------------|---|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|---------------|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | |
| 2 1 8 | 2 0 11 | 2 6 8 | 1 14 2 | 1 15 7 | ... | 2 1 7 | 2 8 2 | 2 2 11 | 0 5 9 | 0 5 9 | 0 5 6 | 3 9 4 | 3 9 6 | 3 8 0 | Calcutta. |
| 2 8 0 | 2 8 0 | 2 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 12 0 | 3 14 0 | Soraingunge. |
| 3 0 0 | 2 12 0 | 2 12 0 | ... | ... | ... | 3 0 0 | 3 0 0 | 2 6 0 | 0 4 0 | 0 4 0 | 0 4 0 | 4 2 0 | 4 0 0 | 3 15 0 | Dacca. |
| 4 0 0 | 3 8 0 | 2 8 0 | ... | ... | ... | 3 12 0 | 3 12 0 | 3 12 0 | 0 8 0 | 0 8 0 | 0 10 0 | 3 13 0 | 3 12 0 | 3 12 0 | Narsaingunge. |
| 3 4 0 | 3 2 0 | 3 6 0 | ... | ... | ... | ... | ... | ... | 0 5 4 | 0 5 4 | 0 7 0 | 3 14 0 | 3 14 0 | 3 14 0 | Chittagong. |
| 1 13 0 | 1 13 0 | 1 15 0 | ... | ... | 2 2 6 | 1 11 0 | 1 10 3 | 1 14 6 | 0 5 6 | 0 5 6 | 0 5 0 | 3 13 0 | 3 13 0 | 3 13 0 | Patna. |
| 2 12 0 | 2 12 0 | 2 12 0 | ... | ... | ... | ... | ... | ... | 0 4 6 | 0 4 6 | 0 4 6 | 3 14 0 | 3 14 0 | 4 0 0 | Balaasore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 7 0 | 3 8 0 | 3 12 0 | Pooree. |
| 2 10 0 | 2 10 0 | 2 0 0 | ... | ... | ... | 1 11 0 | 2 2 0 | 3 0 0 | 0 8 0 | 0 8 0 | 0 8 0 | 4 7 0 | 4 7 0 | 4 7 0 | Cuttack. |

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

| | | | STATION OBSERVATIONS. | | | | | | | | | | | | | | |
|--------------------------|------------------------|-------------------------|--------------------------------|----------------------------|----------------------|-----------------------|---------------------|----------------------|------------------------|---------------------|------------------------|---------------------------|-----------------------------------|---------------------------------|-------------------------------------|----------------------------|--|
| METEOROLOGICAL DIVISION. | District. | Representative station. | AIR PRESSURE. | | | WIND. | | TEMPERATURE. | | | | | | | | | |
| | | | Mean barometric height, 8 A.M. | Mean reduced to sea-level. | Variation from mean. | Prevailing direction. | Mean wind velocity. | Highest during week. | Date. | Lowest during week. | Date. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily temperature of week. | Variation from normal mean of week. | Mean, 8 A.M., temperature. | |
| ORISSA. | Pooree | Pooree | 29.601† | 29.601† | — | SW | 3.00† | 80.7 | 15th July | 78.0 | 10th July | 80.1 | 81.3 | 85.2 | — | 81.0 | |
| | | Gopalpore | 29.570 | 29.601 | +0.047 | SSW | 3.57 | 80.2 | 16th " | 78.8 | 12th " | 80.0 | 80.0 | 83.0 | +1.3 | 83.0 | |
| | | False Point | 29.578 | 29.600 | —0.002 | WSW | 2.10 | 82.9 | 18th " | 77.6 | 12th & 15th July | 81.8 | 78.0 | 83.4 | +0.4 | 82.9 | |
| | Outlook | Outlook | 29.519 | 29.600 | —0.012 | WSW | 7.79 | 83.4 | 17th " | 77.3 | 12th " | 81.2 | 79.3 | 85.2 | —1.0 | 83.7 | |
| | Balasore | Balasore | 29.527 | 29.630 | +0.001 | SW | 17.6 | 81.4 | 14th & 17th July | 78.3 | 12th " | 80.6 | 80.3 | 83.0 | +1.0 | 83.6 | |
| | South-West Midnapore | Saugor Island | 29.566 | 29.691 | +0.007 | SSW | 4.32 | 80.7 | 14th " | 79.0 | 12th " | 81.9 | 81.3 | 84.0 | +0.4 | 83.0 | |
| | South 24-Pargunnahs | Midnapore | 29.545 | 29.584 | +0.001 | S | 1.33 | 84.3 | 17th " | 77.1 | 12th " | 80.8 | 79.3 | 82.0 | +1.2 | 83.0 | |
| | 24-Pargunnahs | Calcutta | 29.543 | 29.585 | +0.001 | SSW | 7.4 | 80.0 | 17th " | 77.2 | 12th " | 81.8 | 79.2 | 83.5 | +0.1 | 83.0 | |
| | Howrah | Howrah | 29.470 | 29.570 | —0.016 | N | 11.4 | 83.6 | 17th " | 78.4 | 17th " | 80.4 | 80.2 | 83.3 | +0.3 | 82.3 | |
| | Hooghly | Hooghly | 29.528 | 29.555 | —0.008 | SE & C | 10.7 | 84.1 | 18th " | 77.1 | 17th " | 81.5 | 78.9 | 83.2 | +1.2 | 82.3 | |
| SOUTH-WEST BENGAL. | Burdwan | Burdwan | 29.521 | 29.593 | +0.011 | SSE | 6.03 | 84.0 | 17th " | 78.9 | 16th " | 80.4 | 78.9 | 84.6 | 0 | 82.9 | |
| | Bankoora | Bankoora | 29.508 | 29.576 | —0.024 | S | 10.8 | 81.7 | 17th " | 76.3 | 16th " | 80.0 | 77.8 | 83.1 | —1.3 | 80.7 | |
| | Barhampur | Barhampur | 29.534 | 29.582 | —0.001 | ESE | 12.3 | 81.8 | 17th " | 76.3 | 17th " | 80.3 | 77.6 | 83.5 | —0.8 | 82.1 | |
| | Nuddea | Krishnagar | 29.580 | 29.593 | —0.012 | SSE | 8.02 | 82.3 | 17th " | 76.4 | 17th & 18th July | 83.6 | 78.9 | 83.8 | —0.6 | 82.5 | |
| | Jessore | Jessore | 29.574 | 29.604 | —0.003 | SSE | 14.4 | 86.1 | 12th " | 81.0 | 12th " | 85.1 | 76.7 | 80.4 | —1.1 | 76.1 | |
| | Chittagong | Chittagong | 29.505 | 29.617 | +0.009 | Southerly | 13.0 | 80.8 | 17th July | 78.3 | 12th & 13th July | 85.8 | 78.2 | 83.5 | +0.1 | 81.1 | |
| | Chittagong Hill Tracts | Demagiri | 29.509 | 29.638 | +0.005 | SE | 20.7 | 80.5 | 17th " | 76.8 | 14th " | 81.7 | 76.4 | 80.6 | +0.4 | 80.5 | |
| | Backergunge | Backergunge | 29.573 | 29.618 | —0.004 | S & SE | 15.7 | 84.6 | 17th " | 77.4 | 14th, 17th & 18th July | 85.0 | 78.5 | 82.6 | —0.6 | 81.5 | |
| | Purroodpore | Purroodpore | 29.584 | 29.600 | —0.018 | S | 20.3 | 80.1 | 17th " | 78.2 | 12th " | 86.3 | 77.7 | 82.0 | +3.1 | 81.1 | |
| | Dacca | Dacca | 29.591 | 29.633 | —0.005 | SE | 10.3 | 85.4 | 17th " | 78.3 | 12th & 16th July | 85.0 | 76.0 | 81.0 | —1.8 | 80.6 | |
| EAST BENGAL. | Commillah | Commillah | 29.547 | 29.605 | —0.027 | SSE | 12.3 | 80.7 | 17th " | 77.0 | 12th, 17th & 18th July | 85.3 | 77.6 | 81.4 | —2.0 | 79.6 | |
| | Mymensingh | Mymensingh | 29.519 | 29.570 | —0.016 | ESE | 8.8 | 82.8 | 17th " | 77.1 | 12th " | 85.0 | 78.2 | 83.4 | —0.7 | 81.9 | |
| | Bogra | Bogra | 29.536 | 29.583 | —0.022 | South-easterly | 7.14 | 80.1 | 17th " | 78.7 | 12th & 16th July | 87.2 | 78.0 | 82.8 | —1.3 | 81.3 | |
| | Fabna | Fabna | 29.512 | 29.562 | —0.006 | South-easterly | 13.0 | 83.8 | 13th, 15th & 17th July | 74.0 | 17th " | 81.9 | 78.0 | 82.9 | —1.0 | 81.4 | |
| | Rajshahye | Rajshahye | 29.490 | 29.570 | — | SE | 04.6 | 81.8 | 13th " | 75.9 | 16th " | 80.3 | 78.2 | 84.3 | — | 82.4 | |
| | Maldah | Maldah | 29.457 | 29.577 | —0.039 | SE | 6.9 | 80.1 | 16th " | 76.1 | 12th & 18th July | 85.0 | 80.1 | 84.1 | —0.9 | 81.2 | |
| | Dinapore | Dinapore | 29.478 | 29.593 | —0.031 | Variable | 7.09 | 80.3 | 12th & 14th July | 77.7 | 12th, 16th & 17th July | 87.7 | 78.4 | 83.1 | —1.5 | 81.1 | |
| | Bungpore | Bungpore | 29.508 | 29.592 | —0.01 | " | 42.7 | 80.4 | 14th " | 76.1 | 15th, 16th & 17th July | 80.7 | 75.9 | 81.5 | —1.6 | 79.3 | |
| | Jalpiore | Jalpiore | 29.530 | 29.592 | —0.072 | " | 02.8 | 67.1 | 16th " | 65.0 | 14th " | 65.2 | 67.2 | 61.2 | —1.2 | 60.4 | |
| | Joshi Behar | Joshi Behar | 29.441 | 29.597 | —0.032 | North-easterly | 71.2 | 80.7 | 16th " | 75.4 | 18th " | 81.8 | 77.0 | 82.4 | —2.5 | 80.1 | |
| NORTH BENGAL. | Darjeeling Hill Tracts | Darjeeling | 29.550 | 29.590 | — | Variable | 18.8 | 80.3 | 16th " | 76.2 | 16th " | 87.0 | 79.1 | 83.3 | — | 80.1 | |
| | Purneah | Purneah | 29.583 | 29.600 | —0.042 | Easterly | 13.7 | 80.9 | 16th " | 76.8 | 16th " | 87.8 | 77.5 | 83.6 | —2.3 | 81.2 | |
| | Moradpore | Moradpore | 29.530 | 29.568 | —0.021 | ESE | 20.4 | 80.2 | 16th " | 76.9 | 17th & 18th July | 86.8 | 77.6 | 83.2 | —1.9 | 80.7 | |
| | Durbhanga | Durbhanga | 29.583 | 29.587 | —0.022 | South-easterly | 6.3 | 81.3 | 16th " | 75.0 | 16th " | 84.8 | 77.4 | 82.9 | —2.3 | 81.2 | |
| | Chumpra | Chumpra | 29.582 | 29.594 | —0.006 | Variable | 1.4 | 80.9 | 16th " | 76.7 | 16th " | 87.5 | 78.3 | 82.0 | —1.3 | 81.1 | |
| | Baran | Baran | 29.537 | 29.532 | —0.025 | Calm | 9.0 | 82.4 | 16th " | 74.0 | 16th " | 89.2 | 78.2 | 83.7 | —1.3 | 81.2 | |
| | Shahabad | Shahabad | 29.509 | 29.540 | —0.038 | E | 10.1 | 81.9 | 16th " | 76.3 | 17th " | 88.0 | 80.3 | 85.0 | —1.0 | 80.4 | |
| | Gya | Gya | 29.536 | 29.536 | —0.017 | E & W | 12.1 | 82.4 | 16th " | 75.2 | 12th & 18th July | 86.4 | 78.4 | 83.4 | —2.3 | 81.4 | |
| | South Bhagalpore | Bhagalpore | 29.582 | 29.583 | —0.051 | Calm | 21.9 | 81.2 | 16th " | 76.0 | 16th " | 86.8 | 78.1 | 83.3 | —1.0 | 81.4 | |
| | Monghyr | Monghyr | 29.507 | 29.562 | —0.018 | S. easterly | 10.4 | 80.1 | 16th " | 75.7 | 17th " | 86.2 | 77.0 | 82.0 | —1.0 | 81.1 | |
| SOUTH BENGAL. | South 24-Pargunnahs | Dumka | 27.578 | 29.572 | —0.015 | South-westerly | 16.7 | 80.9 | 16th " | 72.2 | 12th " | 85.0 | 78.7 | 79.4 | 0 | 77.2 | |
| | Hasaribagh | Hasaribagh | 27.581 | 29.572 | —0.011 | Variable | 14.6 | 80.0 | 16th " | 71.4 | 12th " | 84.2 | 78.8 | 78.5 | +0.8 | 79.0 | |
| | Chyabassa | Chyabassa | 28.613 | 29.674 | +0.007 | SW | 61.8 | 82.9 | 17th " | 76.7 | 18th " | 90.6 | 78.1 | 84.4 | +1.4 | 81.1 | |
| | Sibangar | Sibangar | 29.590 | 29.614 | —0.008 | SW | 92.6 | 82.6 | 14th " | 75.5 | 18th " | 89.0 | 77.4 | 83.0 | —1.0 | 80.4 | |
| | Dhubri | Dhubri | 29.484 | 29.601 | —0.026 | SW | 88.0 | 80.2 | 17th " | 75.8 | 16th " | 84.0 | 77.1 | 80.0 | —2.9 | 79.0 | |
| | Silchar | Silchar | 29.540 | 29.655 | —0.009 | Calm | 34.0 | 81.6 | 16th " | 76.3 | 12th " | 88.9 | 76.8 | 83.9 | —1.8 | 79.0 | |
| | Assam | Assam | 29.540 | 29.655 | —0.009 | Calm | 34.0 | 81.6 | 16th " | 76.3 | 12th " | 88.9 | 76.8 | 83.9 | —1.8 | 79.0 | |
| | Assam | Assam | 29.540 | 29.655 | —0.009 | Calm | 34.0 | 81.6 | 16th " | 76.3 | 12th " | 88.9 | 76.8 | 83.9 | —1.8 | 79.0 | |
| | Assam | Assam | 29.540 | 29.655 | —0.009 | Calm | 34.0 | 81.6 | 16th " | 76.3 | 12th " | 88.9 | 76.8 | 83.9 | —1.8 | 79.0 | |
| | Assam | Assam | 29.540 | 29.655 | —0.009 | Calm | 34.0 | 81.6 | 16th " | 76.3 | 12th " | 88.9 | 76.8 | 83.9 | —1.8 | 79.0 | |

† Means of 5 days. ‡ Means of 6 days.
 Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last 10 years. The humidity of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the past 10 years. The district rainfall is the sum of the rainfall at all the stations in the district divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 18th of July 1890.

| | | | | DISTRICT OBSERVATIONS. | | | | | | | | | | | | | |
|----------------------------|--|--|--------------------|------------------------|---------------------|--------------|------------|----------------------|--------------|------------|-----|-----|-------------------------------|------------------------------|-------------------------|-----------|--------------------------|
| Average humidity at 5 A.M. | Average cloud amount at 5 A.M. for week. | Rainfall of week at observing station. | OF WEEK. | | RAINFALL. | | | | | | | | Average number of rainy days. | Normal number of rainy days. | Representative station. | District. | METEOROLOGICAL DIVISION. |
| | | | Mean for district. | Normal mean. | Since 1st of month. | | | Since 15th May 1890. | | | | | | | | | |
| | | | | | Mean for district. | Normal mean. | Variation. | Mean for district. | Normal mean. | Variation. | | | | | | | |
| 87 | 8'0 | 0'40 | 1'36 | 3'24 | 10'36 | 6'99 | +3'37 | 22'07 | 17'13 | +4'95 | 2'0 | 4'5 | Pooroo | Pooroo | SOUTH-WEST BENGAL. | | |
| 88 | 4'6 | 0'39 | | | | | | | | | | | Gopalpore | | | | |
| 84 | 8'1 | 2'44 | | | | | | | | | | | False Point | | | | |
| 77 | 7'3 | 0'55 | 0'62 | 3'11 | 8'86 | 7'26 | +1'40 | 20'63 | 18'63 | +2'25 | 3'0 | 4'0 | Outtaok | Outtaok | | | |
| 84 | 2'9 | 0'41 | 0'68 | 3'65 | 4'09 | 7'28 | -3'20 | 21'16 | 18'66 | +2'50 | 2'0 | 4'0 | Balasore | Balasore | SOUTH-WEST BENGAL. | | |
| 89 | 2'5 | 0'44 | 0'22 | 3'95 | 4'18 | 6'65 | -4'47 | 21'07 | 20'68 | +0'39 | 3'0 | 4'6 | Saugor Island | South-West Midnapore | | | |
| 91 | 2'9 | NIL. | 0'35 | 2'66 | 3'93 | 7'16 | -3'44 | 24'37 | 18'60 | +5'77 | 2'0 | 4'0 | Midnapore | Midnapore | | | |
| 86 | 9'1 | 0'12 | 0'28 | 3'47 | 4'05 | 6'23 | -3'23 | 23'34 | 19'82 | +4'52 | 3'9 | 4'6 | Calcutta | 24-Pargunnahs | | | |
| 83 | 7'0 | 2'00 | 2'48 | 1'84 | 6'85 | 5'33 | +1'52 | 29'77 | 16'85 | +12'92 | 2'7 | 3'9 | Burdwan | Burdwan | SOUTH-WEST BENGAL. | | |
| 84 | 6'7 | 1'90 | 1'23 | 2'42 | 5'80 | 7'14 | -1'34 | 24'48 | 19'23 | +5'25 | 2'3 | 4'3 | Bankoora | Bankoora | | | |
| 86 | 6'6 | 5'18 | 2'91 | 2'47 | 9'12 | 6'74 | +2'38 | 23'12 | 18'81 | +4'31 | 3'8 | 4'3 | Raneekunge | Hoerbhoom | | | |
| 93 | 8'6 | 2'00 | 3'19 | 3'06 | 7'28 | 6'48 | +0'80 | 21'57 | 18'75 | +2'82 | 4'3 | 3'8 | Herhampore | West Burdwan | | | |
| 86 | 7'9 | 4'63 | 2'90 | 1'66 | 4'64 | 5'22 | +0'82 | 22'65 | 19'06 | +3'59 | 3'6 | 3'8 | Krishnaghar | Moorsheadabad | SOUTH-WEST BENGAL. | | |
| 91 | 9'1 | 0'06 | 1'45 | 2'37 | 5'30 | 6'11 | -0'81 | 24'62 | 21'60 | +2'82 | 3'1 | 4'4 | Jessore | Nuddes | | | |
| 92 | 9'0 | 2'76 | 5'76 | 6'25 | 19'74 | 10'31 | +9'43 | 49'54 | 31'28 | -1'66 | 5'3 | 5'5 | Chittagong | Jessore | | | |
| 91 | 8'0 | 4'17 | 3'73 | 3'74 | 8'70 | 9'91 | -1'12 | 31'15 | 23'03 | -1'88 | 6'3 | 5'8 | Demagiri | Khoolna | | | |
| 92 | 3'9 | 4'19 | 3'29 | 4'41 | 10'68 | 12'49 | -1'83 | 38'46 | 44'55 | -6'10 | 7'0 | 5'4 | Barrisal | Chittagong Hill Tracts | EAST BENGAL. | | |
| 90 | 6'0 | 1'60 | 1'68 | 2'31 | 4'48 | 6'42 | -1'97 | 17'10 | 23'05 | -5'95 | 5'7 | 4'3 | Noakholly | Backergunge | | | |
| 93 | 9'9 | 1'70 | 2'88 | 3'28 | 9'09 | 7'76 | +1'33 | 20'85 | 25'04 | +4'19 | 5'3 | 4'6 | Furreedpore | Noakholly | | | |
| 93 | 0'6 | 3'37 | 2'64 | 3'05 | 8'40 | 7'87 | +0'53 | 29'22 | 25'26 | +3'96 | 5'0 | 4'8 | Dacca | Furreedpore | | | |
| 95 | 9'0 | 4'77 | 4'77 | 2'40 | 9'15 | 7'31 | +1'84 | 26'33 | 20'76 | +5'57 | 4'3 | 4'2 | Commillah | Dacca | EAST BENGAL. | | |
| 88 | 6'1 | 1'97 | 1'97 | 2'45 | 4'43 | 7'53 | -3'10 | 25'15 | 25'03 | +0'12 | 5'3 | 3'8 | Mymensingh | Tipperah | | | |
| 91 | 8'1 | 1'00 | 1'00 | 1'83 | 4'41 | 6'15 | -1'74 | 21'07 | 21'13 | -0'06 | 6'0 | 3'8 | Bogra | Mymensingh | | | |
| 80 | 3'7 | 2'33 | 3'40 | 2'41 | 8'04 | 7'06 | +0'98 | 30'72 | 21'66 | +8'06 | 5'7 | 3'8 | Serajgunge | Bogra | | | |
| 89 | 5'8 | 2'07 | 2'41 | 2'62 | 4'65 | 7'62 | -3'07 | 18'24 | 22'27 | -4'03 | 5'0 | 4'4 | Rampore Beaulah | Pubna | EAST BENGAL. | | |
| 91 | 9'7 | 1'46 | 4'38 | 3'13 | 8'03 | 7'28 | +0'75 | 22'03 | 23'07 | -1'04 | 4'2 | 4'0 | Maldah | Rajshahye | | | |
| 90 | 4'4 | 2'08 | 2'95 | 2'15 | 5'93 | 8'40 | -2'46 | 35'18 | 37'42 | -2'24 | 6'0 | 3'1 | Dinapore | Maldah | | | |
| 97 | 3'7 | 16'33 | 7'41 | 3'55 | 10'60 | 12'09 | +1'51 | 66'07 | 52'53 | +13'54 | 6'0 | 5'4 | Rungpore | Dinapore | | | |
| 97 | 9'9 | 10'27 | 14'55 | 5'83 | 24'33 | 21'30 | +3'03 | 71'16 | 53'36 | +17'80 | 7'0 | 5'3 | Jalpurpore | Rungpore | NORTH BENGAL. | | |
| 94 | 2'9 | 6'54 | 6'57 | 2'23 | 12'93 | 8'15 | +4'78 | 31'33 | 22'68 | +8'65 | 5'4 | 3'5 | Darjeeling | Jalpurpore | | | |
| 93 | 7'4 | 10'12 | 4'62 | 3'09 | 9'05 | 6'07 | +2'98 | 19'19 | 15'78 | +3'41 | 5'3 | 3'0 | Purneah | Darjeeling Hill Tracts | | | |
| 90 | 7'7 | 6'94 | 7'11 | 1'67 | 10'59 | 6'84 | +3'75 | 24'06 | 16'23 | +7'83 | 5'3 | 3'4 | Mosufferpore | Purneah | | | |
| 88 | 8'6 | 5'11 | 4'32 | 1'80 | 10'19 | 7'46 | +2'73 | 20'56 | 17'52 | +3'04 | 4'0 | 2'6 | Durbhunga | North Bhagulpore | NORTH BENGAL. | | |
| 90 | 5'7 | 4'22 | 2'65 | 1'92 | 5'67 | 7'12 | -1'45 | 17'77 | 14'67 | +3'10 | 5'0 | 3'1 | Mothari | Mosufferpore | | | |
| 83 | 5'4 | 0'77 | 5'07 | 2'03 | 6'09 | 6'06 | +0'03 | 17'61 | 11'41 | +6'20 | 3'4 | 3'8 | Chupra | Durbhunga | | | |
| 90 | 7'9 | 2'49 | 5'07 | 2'03 | 6'09 | 6'06 | +0'03 | 17'61 | 11'41 | +6'20 | 3'4 | 3'8 | Dehree | Chumpana | | | |
| 83 | 6'6 | 1'74 | 1'80 | 2'12 | 5'07 | 6'23 | +1'16 | 24'07 | 13'30 | +10'77 | 4'0 | 3'1 | Gya | Saran | NORTH BENGAL. | | |
| 91 | 10'0 | 4'71 | 5'14 | 1'88 | 6'17 | 6'51 | -0'34 | 15'06 | 14'10 | +0'96 | 4'3 | 3'3 | Bankipore | Gya | | | |
| 91 | 9'5 | 4'62 | 4'38 | 1'77 | 6'06 | 5'92 | +0'14 | 20'87 | 14'62 | +6'25 | 6'6 | 3'1 | Bhagulpore | Bankipore | | | |
| 86 | 3'9 | 5'57 | 4'60 | 2'33 | 5'01 | 7'01 | +1'00 | 22'99 | 18'63 | +4'36 | 4'5 | 3'2 | Boonaka | South Bhagulpore | | | |
| 87 | 10'0 | 3'64 | 4'60 | 2'44 | 5'33 | 7'36 | +0'87 | 20'27 | 16'99 | +3'28 | 4'8 | 4'6 | Hasaribagh | Boonaka | NORTH BENGAL. | | |
| 84 | 8'7 | 2'67 | 1'08 | 2'64 | 4'51 | 7'07 | -2'56 | 13'72 | 16'30 | -2'58 | 3'7 | 4'6 | Ranchi | Hasaribagh | | | |
| 78 | 8'3 | 0'08 | 0'19 | 5'00 | 5'16 | 7'30 | -2'14 | 17'20 | 18'19 | -0'99 | 3'0 | 4'7 | Ghyebassa | Lehardugga | | | |
| 83 | 9'8 | 4'63 | | | | | | | | | | | Sibmgar | Manikbong | | | |
| 83 | 9'0 | 2'52 | | | | | | | | | | | Dhubri | Manikbong | NORTH BENGAL. | | |
| 81 | 9'9 | 2'80 | | | | | | | | | | | Silchar | Manikbong | | | |

10 years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisions.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of July 1890.

| Meteorological division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain- fall since 1st of month. | Average total rain- fall from 1st of month. | Total rain- fall since 1st May 1890. | Average rainfall from 1st May to date. |
|-----------------------------|---------------------------|----------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|--------------------------|-----------------------------|-------------------------|---|---|---|--|
| | | | Saturday, 13th July. | Sunday, 14th July. | Monday, 15th July. | Tuesday, 16th July. | Wednesday, 16th July. | Thursday, 17th July. | Friday, 18th July. | Number of rainy days. | of Rainfall week. | | | | |
| NORTHERN | Pooree | Pooree | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.08 | 0.00 | 2 | 0.36 | 11.03 | 0.78 | 22.15 | 15.23 |
| | | Khurdah | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0.02 | 13.75 | 7.10 | 29.81 | 18.71 | |
| | | Banpur | 0.00 | 0.18 | 0.75 | 1.60 | 0.42 | 0.00 | 3 | 2.95 | 8.00 | 0.65 | 15.03 | 14.07 | |
| | | Paise Point | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Saltore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | Ontakee | Jagatsingpore | 0.00 | 0.00 | 0.00 | 0.25 | 0.57 | 0.25 | 3 | 1.07 | 7.53 | 0.59 | 19.50 | 14.85 | |
| | | Banki | 0.00 | 0.00 | 0.00 | 0.18 | 0.98 | 0.35 | 3 | 1.28 | 10.43 | 0.70 | 24.38 | 18.00 | |
| | | Cuttack | 0.83 | 0.00 | 0.00 | 0.15 | 0.01 | 0.35 | 3 | 1.14 | 20.46 | 0.71 | 25.02 | 22.02 | |
| | | Kendrapara | 0.23 | 0.02 | 0.00 | 0.15 | 0.01 | 0.03 | 3 | 0.43 | 0.03 | 0.03 | 15.35 | 18.12 | |
| | | Jajpore | 0.44 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2 | 0.03 | 0.77 | 0.04 | 21.31 | 19.05 | |
| | Balasore | Dharmasala | 1.00 | 0.00 | 0.00 | 0.20 | 0.50 | 0.00 | 3 | 1.03 | 8.08 | 0.50 | 21.07 | 18.00 | |
| | | Saltore | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Chandbali | 0.15 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 2 | 0.59 | 4.93 | 0.53 | 17.43 | 16.68 | |
| | | Bhuddruck | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0.05 | 4.87 | 0.53 | 23.80 | 18.72 | |
| | | Sorah | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.00 | 2 | 1.20 | 4.10 | 0.50 | 20.23 | 18.43 | |
| SOUTH-WEST BENGAL. | Midnapore | Balasore | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 1 | 0.61 | 3.19 | 0.51 | 23.35 | 19.41 | |
| | | Jailasore | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.30 | 2 | 0.80 | 3.89 | 0.53 | 21.35 | 18.51 | |
| | | Naripodah | 0.00 | 0.12 | 0.00 | 0.00 | 0.03 | 0.30 | 4 | 0.52 | 3.73 | 0.76 | 31.08 | 20.08 | |
| | | Contai | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.15 | 3 | 0.19 | 3.12 | 0.50 | 23.14 | 19.00 | |
| | | Saugor Island | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.03 | 3 | 0.44 | 5.08 | 0.55 | 22.04 | 21.77 | |
| | 24-Pargunnah | Tumlook | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0.30 | 3.80 | 0.04 | 26.50 | 17.70 | |
| | | Midnapore | 0.33 | 0.04 | 0.01 | 0.04 | 0.00 | 0.00 | 4 | 0.04 | 3.15 | 0.14 | 25.06 | 17.01 | |
| | | Ghatatal | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 1 | 0.35 | 4.81 | 0.28 | 21.07 | 20.24 | |
| | | Kutubdia | 0.00 | 0.00 | 0.00 | 0.15 | 0.34 | 0.00 | 2 | 0.49 | 2.87 | 0.25 | 16.08 | 15.08 | |
| | | Gerbetta | 0.00 | 0.00 | 0.00 | 0.15 | 0.22 | 0.08 | 3 | 0.43 | 2.70 | 0.15 | 18.00 | 17.00 | |
| | Howrah | Diamond Har- bour | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 1 | 0.03 | 2.73 | 0.40 | 17.91 | 20.39 | |
| | | Canning Town | 0.15 | 0.00 | 0.00 | 0.04 | 0.16 | 0.14 | 4 | 0.40 | 4.08 | 0.50 | 23.43 | 20.39 | |
| | | Alipore Jail | 0.07 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 3 | 0.15 | 0.08 | 0.08 | 24.80 | 18.00 | |
| | | Barrackpore | 0.00 | 0.00 | 0.38 | 0.23 | 0.00 | 0.00 | 3 | 0.60 | 4.13 | 0.59 | 20.43 | 18.37 | |
| | | Dum-Dum | 0.13 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 2 | 0.27 | 3.43 | 0.78 | 19.87 | 18.06 | |
| Hooghly | Barnast | 0.00 | 0.00 | 0.00 | 0.30 | 0.14 | 0.00 | Nil | Nil | 0.00 | 0.00 | 20.77 | 17.05 | | |
| | Buseerhat | 0.00 | 0.00 | 0.00 | 0.30 | 0.14 | 0.00 | 2 | 0.64 | 4.91 | 0.63 | 25.31 | 21.43 | | |
| | Howrah | 0.01 | 0.01 | 0.01 | 0.05 | 0.14 | 0.05 | 4 | 0.31 | 5.27 | 0.58 | 21.72 | 19.74 | | |
| | Mohamra (Gulabaria) | 0.00 | 0.03 | 0.01 | 0.05 | 0.02 | 0.00 | 5 | 0.20 | 2.60 | 0.43 | 23.03 | 19.01 | | |
| | Hooghly | 0.00 | 0.04 | 0.28 | 0.02 | 0.03 | 0.00 | 4 | 0.37 | 3.53 | 0.53 | 20.67 | 17.03 | | |
| Sardwan | Hooghly | 0.38 | 0.00 | 0.00 | 0.15 | 0.03 | 0.00 | 3 | 1.15 | 2.70 | 0.43 | 22.10 | 17.27 | | |
| | Jehansabad | 0.01 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 3 | 0.12 | 3.30 | 0.21 | 24.48 | 19.31 | | |
| | Quina | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0.00 | 0.41 | 0.41 | 26.13 | 16.06 | | |
| | Sardwan | 0.43 | 0.01 | 0.00 | 0.00 | 1.03 | 0.03 | 4 | 2.09 | 6.19 | 0.55 | 31.94 | 18.44 | | |
| | Cutwa | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 0.00 | 3 | 2.06 | 6.19 | 0.55 | 31.94 | 18.44 | | |
| Bankoora | Raneegunge | 0.01 | 0.00 | 0.19 | 0.19 | 0.1 | 0.00 | 5 | 1.51 | 8.00 | 0.73 | 20.33 | 17.03 | | |
| | Monter | 0.71 | 0.00 | 0.13 | 0.13 | 0.41 | 0.25 | 4 | 1.51 | 6.26 | 0.50 | 27.39 | 17.03 | | |
| | Bankoora | 0.00 | 0.00 | 0.02 | 0.00 | 1.00 | 0.03 | 3 | 1.01 | 6.01 | 0.70 | 23.38 | 18.04 | | |
| | Bishenpore | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.00 | 2 | 0.14 | 3.84 | 0.41 | 26.86 | 18.01 | | |
| | Malara | 0.80 | 0.00 | 0.11 | 0.00 | 0.00 | 1.08 | 0.00 | 4 | 2.89 | 9.97 | 0.74 | 33.41 | 18.17 | |
| SOUTH-EAST | Khadra | Khadra | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Nil | Nil | 0.00 | 0.00 | 15.23 | 21.47 | |
| | | Jadua | 0.39 | 0.00 | 0.00 | 0.00 | 1.36 | 0.00 | 3 | 1.81 | 12.01 | 0.50 | 31.00 | 18.00 | |
| | | Kotalpore | 1.38 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 2 | 1.03 | 0.12 | 0.12 | 32.53 | 18.00 | |
| | | Anda | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 0.11 | 2 | 0.72 | 10.23 | 0.50 | 26.07 | 18.00 | |
| | | Gangajalghati | 0.15 | 0.00 | 0.00 | 0.00 | 0.32 | 1.10 | 3 | 1.02 | 8.47 | 0.50 | 25.06 | 18.00 | |
| | Hearbham | Raipore | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 1 | 0.16 | 7.20 | 0.15 | 29.87 | 18.00 | |
| | | Sonamukha | 3.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 2 | 3.04 | 10.63 | 0.50 | 27.63 | 18.00 | |
| | | Mh. Soory | 0.83 | 0.10 | 0.24 | 0.00 | 1.25 | 0.27 | 4 | 2.59 | 11.75 | 0.70 | 29.20 | 19.70 | |
| | | Hetampore | 0.00 | 0.10 | 0.00 | 0.00 | 0.77 | 0.43 | 4 | 2.75 | 7.94 | 0.70 | 26.59 | 20.21 | |
| | | Rampore Haut | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 2 | 0.12 | 3.13 | 0.00 | 27.26 | 17.43 | |
| Naddee | Raipore | 1.50 | 0.00 | 0.00 | 0.00 | 0.45 | 0.75 | 4 | 3.05 | 11.16 | 0.50 | 26.59 | 18.00 | | |
| | Murari | 1.50 | 0.00 | 0.00 | 0.00 | 0.45 | 0.75 | 4 | 3.05 | 11.16 | 0.50 | 26.59 | 18.00 | | |
| | Banaghat | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | Kishnagar | 0.22 | 0.03 | 0.86 | 0.00 | 0.02 | 1.04 | 0.08 | 3 | 4.11 | 7.43 | 0.55 | 24.00 | 21.13 | |
| | Choudanga | 0.04 | 0.52 | 0.00 | 0.00 | 0.00 | 0.40 | 0.00 | 3 | 1.00 | 5.85 | 0.50 | 20.67 | 17.00 | |
| Khadra | Meherpore | 0.40 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.80 | 6.00 | 0.50 | 19.00 | 18.00 | | |
| | Koostha | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4 | 1.15 | 6.06 | 0.50 | 20.02 | 18.00 | | |
| | Khadra | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | Bathira | 0.05 | 0.03 | 0.01 | 0.40 | 0.10 | 0.21 | 0.28 | 7 | 1.08 | 3.70 | 0.70 | 23.08 | 20.00 | |
| | Bagirhat | 0.00 | 0.42 | 0.33 | 0.00 | 0.15 | 0.12 | 0.00 | 4 | 1.04 | 4.04 | 0.70 | 31.00 | 23.23 | |
| Khadra | Khadra | 0.41 | 0.80 | 0.00 | 0.11 | 0.15 | 0.15 | 0.11 | 6 | 1.13 | 6.77 | 0.70 | 26.74 | 21.00 | |
| | Nakipore | 0.05 | 0.54 | 0.00 | 0.42 | 0.00 | 0.00 | 4 | 1.00 | 5.00 | 0.50 | 31.81 | 21.00 | | |
| | Rampal | 1.00 | 0.00 | 0.00 | 0.31 | 0.00 | 0.27 | 3 | 2.14 | 8.20 | 0.50 | 20.23 | 18.00 | | |
| | Jessore | 0.45 | 0.05 | 0.16 | 0.00 | 0.50 | 0.00 | 5 | 1.21 | 4.37 | 0.48 | 25.08 | 19.00 | | |
| | Jessore | 0.00 | 0.31 | 0.00 | 0.04 | 0.04 | 0.35 | 0.00 | 7 | 0.46 | 4.48 | 0.50 | 20.43 | 20.04 | |
| Moorshedabad | Jhenidah | 0.35 | 0.00 | 0.12 | 0.00 | 0.00 | 1.89 | 0.00 | 3 | 2.40 | 8.00 | 0.50 | 20.00 | 21.07 | |
| | Magoorah | 0.02 | 0.00 | 0.02 | 0.00 | 0.02 | 0.42 | 0.00 | 6 | 0.63 | 4.05 | 0.51 | 20.85 | 21.71 | |
| | Bongong | 0.00 | 0.60 | 0.39 | 0.00 | 0.00 | 2.12 | 0.20 | 4 | 3.91 | 5.19 | 0.50 | 20.81 | 19.07 | |
| | Kandi | 2.40 | 1.60 | 0.00 | 0.00 | 0.45 | 0.52 | 0.00 | 4 | 5.15 | 7.85 | 0.71 | 31.47 | 19.23 | |
| | Borhampore | 1.20 | 0.00 | 0.10 | 0.33 | 0.00 | 1.00 | 1.04 | 6 | 3.60 | 5.43 | 0.50 | 16.79 | 16.77 | |
| SOUTH-EAST | Chittagong | Lalbagh | 0.24 | 0.00 | 0.00 | 0.15 | 0.00 | 1.08 | 0.11 | 5 | 3.58 | 0.20 | 0.20 | 31.00 | 17.00 |
| | | Azimkunge | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.77 | 4 | 0.86 | 0.86 | 0.50 | 24.02 | 18.00 |
| | | Jungipore | 1.12 | 0.00 | 0.01 | 0.18 | 0.00 | 0.07 | 0.00 | 5 | 2.04 | 0.98 | 0.23 | 17.06 | 18.01 |
| | | Lalgola | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Jayungo | 0.15 | 0.00 | 0.07 | 0.17 | 0.00 | 0.14 | 0.00 | 5 | 0.80 | 0.82 | 0.50 | 22.00 | 20.34 |
| | Chittagong Hill Tracts | Akhroyan | 0.05 | 0.18 | 0.11 | 0.09 | 0.00 | 1.45 | 0.22 | 6 | 2.10 | 0.70 | 0.70 | 26.53 | 18.00 |
| | | Patkabari | 0.40 | 0.40 | 0.00 | 0.00 | 1.10 | 0.00 | 4 | 4.20 | 5.10 | 0.50 | 22.60 | 18.00 | |
| | | Bongong | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Chittagong | 1.80 | 1.03 | 0.70 | 0.00 | 0.45 | 0.60 | 4.20 | 6 | 8.73 | 18.80 | 29.14 | 59.40 | 61.95 |
| | | Chittagong | 0.38 | 0.45 | 0.00 | 0.00 | 0.00 | 0.63 | 0.04 | 3 | 2.79 | 20.98 | 10.43 | 29.1 | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of July 1890—contd.

| Administrative Division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 15th May 1890. | Average rainfall from 15th May to date. |
|--------------------------|------------------|-------------------|----------------------|--------------------|--------------------|---------------------|-----------------------|----------------------|--------------------|--------------------|-------------------|-------------------------------------|--|--------------------------------------|---|
| | | | Saturday, 12th July. | Sunday, 13th July. | Monday, 14th July. | Tuesday, 15th July. | Wednesday, 16th July. | Thursday, 17th July. | Friday, 18th July. | Number rainy days. | of Rainfall week. | | | | |
| BENGAL. | Burdwan. | Gourmaddi .. | 0.45 | 0.70 | 0.80 | 0.36 | 0.13 | 0.10 | 0.08 | 7 | 2.32 | 6.17 | ? | 21.05 | ? |
| | | Baughal .. | 0.40 | 0.08 | 1.03 | 0.84 | ..... | ..... | 1.04 | 8 | 3.35 | 8.00 | ? | 27.62 | ? |
| | | Noakholly ... | 0.64 | 1.33 | 0.84 | 0.25 | 0.74 | 0.22 | 0.03 | 7 | 4.15 | 11.00 | 12.13 | 33.09 | 42.44 |
| | | Farrukpore ... | 0.43 | 0.10 | 0.27 | 0.18 | 0.31 | 0.63 | 0.60 | 7 | 2.42 | 10.29 | 12.84 | 41.80 | 40.18 |
| | Farrukpore | Harishpore .. | 0.60 | ..... | 0.20 | 2.80 | 0.45 | ..... | ..... | 6 | 4.03 | 12.79 | ..... | 37.64 | ? |
| | | Ramganj .. | 0.40 | 1.50 | 0.70 | 0.40 | ..... | 0.50 | 2.40 | 8 | 6.00 | ..... | ..... | ..... | ? |
| | | Madaripore ... | 0.40 | 0.35 | 0.50 | 0.04 | 0.63 | 0.04 | 0.08 | 7 | 2.04 | 8.57 | 6.34 | 18.00 | 23.04 |
| | | Farrukpore ... | 0.04 | 0.98 | 0.06 | 0.06 | 0.45 | 0.02 | ..... | 8 | 1.48 | 8.34 | 6.25 | 15.85 | 21.79 |
| | Dacca | Rasulnagar .. | 0.51 | ..... | 0.55 | ..... | 0.23 | 0.65 | ..... | 4 | 1.94 | 4.54 | 0.84 | 17.34 | 21.40 |
| | | Munshiganj .. | 0.12 | 0.40 | 0.50 | 0.06 | ..... | 0.43 | ..... | 5 | 1.51 | 9.26 | 6.28 | 33.44 | 29.84 |
| | | Dacca .. | 0.74 | 0.15 | 0.57 | 0.06 | 0.10 | 0.50 | ..... | 8 | 2.11 | 10.54 | 6.04 | 30.56 | 24.65 |
| | | Narainganj .. | 1.02 | 0.60 | 0.40 | ..... | ..... | 0.54 | 0.13 | 5 | 2.71 | 10.52 | 6.04 | 30.56 | 24.65 |
| | Hill Tipperah. | Manikganj .. | 0.20 | 0.19 | 0.10 | ..... | ..... | 1.85 | 0.13 | 5 | 2.79 | 5.76 | 6.37 | 27.07 | 20.06 |
| | | Jaydebpore .. | 0.64 | 0.06 | 0.43 | 0.07 | 0.13 | 1.83 | 0.08 | 7 | 3.13 | 7.14 | ? | 30.00 | ? |
| | | Agartala .. | 0.37 | 0.10 | ..... | 0.19 | 0.55 | 0.73 | ..... | 5 | 1.94 | 7.92 | 6.45 | 31.34 | 25.21 |
| | | Comilla .. | 0.30 | 1.00 | 0.39 | ..... | 0.53 | 0.62 | 0.44 | 6 | 3.20 | 10.44 | 6.40 | 30.74 | 25.07 |
| | Tipperah | Chandpur .. | ..... | ..... | 1.05 | 1.00 | 0.80 | 0.00 | 0.00 | 4 | 3.45 | 8.22 | 8.67 | 20.80 | 23.71 |
| | | Brahmanberia .. | ..... | 0.30 | 0.11 | ..... | 0.80 | 0.80 | 1.00 | 5 | 2.71 | 6.95 | 6.75 | 26.17 | 27.03 |
| | | Ramchandrapore .. | 0.53 | 0.48 | 0.67 | 0.17 | 0.18 | 0.29 | 0.67 | 7 | 2.97 | 16.20 | ? | 35.74 | ? |
| | | Narainagar .. | ..... | ..... | 0.30 | 0.25 | ..... | 0.30 | 2.90 | 4 | 3.75 | 4.80 | ? | 21.72 | ? |
| | Mymensingh. | Daudkandi .. | ..... | ..... | ..... | 0.25 | ..... | ..... | ..... | 1 | 0.25 | 1.07 | ? | 14.71 | ? |
| | | Kasba .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ..... | ? |
| | | Lakshmi .. | ..... | 0.75 | 0.65 | ..... | ..... | ..... | 1.10 | 5 | 2.50 | 13.20 | ? | 28.75 | ? |
| | | Kishoreganj .. | 0.33 | ..... | ..... | ..... | ..... | 2.14 | 0.41 | 3 | 3.07 | 6.55 | 7.17 | 32.03 | 31.13 |
| | Mymensingh | Atia (Tangail) .. | ..... | ..... | 0.18 | ..... | ..... | 2.36 | ..... | 2 | 3.08 | 0.31 | 6.28 | 20.01 | 23.06 |
| | | Mymensingh .. | 0.30 | 0.82 | 0.73 | 0.17 | 1.64 | 1.50 | 2.13 | 7 | 6.09 | 11.72 | 7.72 | 34.71 | 32.55 |
| | | Jamalganj .. | 0.07 | 0.05 | 0.02 | 0.19 | 0.13 | 0.17 | ..... | 6 | 1.83 | 5.26 | 6.74 | 20.01 | 20.01 |
| | | Narain .. | 0.09 | 1.01 | 0.07 | ..... | 1.83 | 0.55 | 1.53 | 6 | 3.90 | 15.00 | 8.09 | 47.83 | 33.00 |
| | Shorepore | Shorepore .. | 0.04 | 0.15 | ..... | ..... | 1.50 | 3.30 | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Durgapore .. | 0.10 | ..... | 2.00 | ..... | 1.50 | 3.30 | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Shorepore Town .. | ..... | ..... | 0.46 | ..... | 0.77 | 0.08 | ..... | 3 | 1.31 | 3.16 | ? | 20.85 | ? |
| | | Dawangaj .. | ..... | ..... | ..... | 1.80 | ..... | 0.40 | ..... | 2 | 1.90 | 3.79 | ? | 30.32 | ? |
| WEST BENGAL. | Pubna | Pubna .. | 0.03 | 0.09 | 0.67 | 0.23 | 0.15 | 1.22 | ..... | 6 | 2.32 | 4.94 | 5.91 | 19.74 | 20.47 |
| | | Sarakunja .. | 0.23 | 0.14 | 0.20 | ..... | 0.01 | 0.18 | 0.24 | 6 | 0.99 | 3.56 | 6.38 | 22.32 | 21.74 |
| | Hogra | Shorepore .. | 0.31 | 0.48 | 0.13 | 0.65 | 0.28 | ..... | ..... | 5 | 1.85 | 5.26 | 7.67 | 25.17 | 20.30 |
| | | Nowkhilla .. | 0.17 | 0.15 | 0.32 | 0.30 | 0.48 | 0.21 | 0.02 | 7 | 1.65 | 3.70 | 6.25 | 21.60 | 22.04 |
| | | Hogra .. | 0.04 | 0.07 | 0.22 | ..... | ..... | 1.45 | 0.04 | 5 | 2.45 | 4.76 | 8.28 | 22.60 | 27.00 |
| | | Panchbibi .. | 0.50 | 0.19 | 0.07 | ..... | ..... | 0.20 | 0.15 | 5 | 2.03 | 3.92 | 7.06 | 30.05 | 24.04 |
| | Rajshahi | Rajshahi .. | 0.14 | ..... | 0.04 | ..... | 0.04 | 1.00 | 0.02 | 5 | 2.06 | 8.97 | 7.68 | 29.38 | 29.45 |
| | | Natore .. | 0.18 | 1.65 | 0.12 | 0.10 | 0.21 | 2.70 | 0.07 | 7 | 5.03 | 9.32 | 7.08 | 37.40 | 31.34 |
| | | Nangaon .. | 2.30 | ..... | 0.15 | ..... | 0.11 | 0.13 | 0.21 | 5 | 3.10 | 5.02 | 6.78 | 26.19 | 21.00 |
| | | Lalpara .. | 0.15 | 0.40 | ..... | 0.30 | ..... | 0.15 | 0.20 | 4 | 1.00 | 4.45 | ? | 16.95 | ? |
| | Malda | Malda .. | ..... | ..... | ..... | ..... | ..... | 0.80 | 0.30 | 2 | 1.00 | 6.25 | ? | 15.75 | ? |
| | | Chandpur .. | 0.37 | 0.02 | 0.12 | 0.01 | ..... | 1.51 | ..... | 5 | 2.07 | 4.98 | 7.77 | 19.07 | 31.34 |
| | | Chandpur .. | 0.22 | 0.15 | 0.06 | 0.11 | ..... | 1.47 | ..... | 5 | 2.70 | 4.77 | 7.48 | 17.09 | 21.17 |
| | | Gajal .. | 0.19 | 1.00 | 0.80 | ..... | ..... | 2.00 | ..... | 4 | 6.00 | 8.47 | ? | 24.00 | ? |
| | Jharghpore | Siliguri .. | 0.25 | 0.03 | ..... | 0.06 | ..... | 0.58 | 1.01 | 6 | 2.80 | 8.45 | ? | 27.34 | ? |
| | | Mohadebpore .. | 0.31 | 0.24 | ..... | ..... | 1.73 | ..... | ..... | 3 | 2.38 | 6.14 | 6.54 | 23.77 | 23.11 |
| | | Churamon .. | 0.82 | ..... | 3.18 | ..... | ..... | 1.18 | 1.32 | 4 | 6.43 | 8.74 | 7.43 | 20.22 | 22.43 |
| | | Baruaganj .. | ..... | 0.61 | 0.70 | 2.80 | ..... | 0.30 | 1.15 | 5 | 5.85 | 10.63 | 7.07 | 30.30 | 25.21 |
| | Jharghpore | Jharghpore .. | 0.78 | 0.04 | 0.01 | ..... | 0.31 | ..... | 0.27 | 5 | 2.33 | 6.04 | 8.01 | 30.03 | 29.11 |
| | | Rajshahi .. | 0.24 | 2.29 | 1.42 | ..... | ..... | 0.49 | ..... | 6 | 4.94 | 7.43 | 7.34 | 27.17 | 24.04 |
| | | Thakurgaon .. | 0.08 | 0.19 | 1.38 | 1.63 | 0.50 | ..... | 1.63 | 6 | 5.41 | 9.47 | ? | 41.59 | ? |
| | | | | | | | | | | | | | | | |
| | Rangpur | Bhawaniganj .. | 0.23 | ..... | 0.50 | 0.47 | 0.11 | 0.05 | 0.41 | 6 | 1.82 | 4.14 | 0.49 | 22.49 | 21.00 |
| | | (Gyabanda) .. | 0.12 | 0.11 | 0.01 | 0.12 | 0.40 | 0.03 | 1.44 | 7 | 2.25 | 4.03 | 10.43 | 22.97 | 31.31 |
| | | Rangpur .. | ..... | ..... | 1.45 | 0.40 | 0.20 | 0.54 | ..... | 4 | 6.09 | 6.44 | 7.97 | 41.04 | 39.67 |
| | | Rangpur .. | 0.38 | 0.04 | 0.54 | 0.28 | 0.18 | 0.84 | 0.58 | 7 | 3.44 | 8.20 | 8.68 | 40.80 | 43.64 |
| | Jalpaiguri | (Niphamburi) .. | 0.12 | ..... | 0.43 | ..... | ..... | 0.64 | ..... | 3 | 1.19 | 2.06 | ? | 31.05 | ? |
| | | Jalpaiguri .. | 0.25 | 2.88 | 1.25 | 0.80 | 1.71 | 0.80 | 1.90 | 7 | 15.78 | 24.87 | 17.61 | 73.04 | 63.67 |
| | | Alipore Doorg .. | 0.13 | 0.04 | 0.25 | 1.47 | 1.47 | 3.10 | 0.47 | 7 | 6.01 | 23.71 | ? | 52.17 | ? |
| | | Falacatta .. | 0.06 | 0.35 | 0.84 | 2.89 | 2.20 | 1.18 | 0.88 | 7 | 8.89 | 20.25 | ? | 75.15 | ? |
| | Goach Behar. | Dubiganj .. | ..... | 0.57 | 0.06 | 3.07 | 0.64 | 0.12 | 0.15 | 6 | 6.00 | 10.24 | ? | 49.83 | ? |
| | | Rangpur .. | 0.28 | 0.85 | 0.71 | 0.41 | 3.08 | 1.02 | 3.34 | 7 | 8.27 | 30.71 | ? | 66.86 | ? |
| | | (Nayratatta) .. | ..... | ..... | 0.18 | 0.00 | 0.05 | 0.29 | 0.11 | 5 | 0.69 | 3.09 | 3.49 | 47.44 | 48.09 |
| | | Dumkani .. | 0.38 | ..... | 0.05 | 1.10 | 4.23 | 0.59 | ..... | 5 | 6.04 | 18.79 | 12.06 | 71.41 | 64.08 |
| | Darjeeling Hill. | Mickiganj .. | 0.09 | 1.03 | 0.43 | 1.45 | 2.00 | 0.34 | 0.43 | 7 | 6.07 | 19.01 | 11.69 | 69.06 | 64.08 |
| | | Malabanganj .. | 0.73 | 0.57 | 0.81 | 3.71 | 1.07 | 0.01 | ..... | 6 | 6.05 | 24.01 | 12.77 | 23.06 | 53.37 |
| | | Buxa .. | 1.65 | 1.00 | 0.23 | 1.09 | 1.94 | 1.05 | 3.38 | 7 | 13.94 | 38.06 | 32.91 | 51.81 | 51.81 |
| | | Siliguri .. | 0.33 | 4.20 | 0.89 | 3.10 | 1.43 | 1.14 | 5.43 | 7 | 20.48 | 41.17 | 19.70 | 65.33 | 60.00 |
| | Purnea | Darjeeling .. | 0.24 | 0.52 | 3.61 | 1.15 | 0.23 | 0.07 | 4.41 | 7 | 10.27 | 28.46 | 17.74 | 65.33 | 60.00 |
| | | Kalimpong .. | 0.37 | 0.74 | 5.43 | 0.08 | 0.36 | 1.23 | 1.46 | 7 | 13.49 | 20.83 | 16.72 | 62.46 | 54.03 |
| | | Kurseong .. | 0.40 | 1.50 | 7.34 | 0.35 | 0.24 | 1.33 | 8.30 | 7 | 19.08 | 41.06 | ? | 89.15 | ? |
| | | | | | | | | | | | | | | | |
| North Bhagalpur. | Kurseong .. | ..... | 0.12 | 0.76 | 0.94 | 3.15 | 1.50 | 0.95 | 6 | 7.47 | 14.60 | 10.34 | 40.92 | 30.97 | |
| | Arrah .. | ..... | 0.38 | 1.73 | 0.78 | 3.29 | 0.54 | 1.21 | ..... | 6 | 7.05 | 14.60 | 9.44 | 35.91 | 30.05 |
| | Purnea .. | 0.01 | 3.36 | 0.01 | 1.39 | 0.05 | 0.49 | ..... | 7 | 6.54 | 19.34 | 7.86 | 35.31 | 32.19 | |
| | Gondwana .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 3.00 | 0.86 | ? | 14.74 | ? | |
| Durbhanga | Belur .. | 0.10 | ..... | 2.80 | 2.70 | 0.37 | ..... | 0.40 | 6 | 8.27 | 11.84 | ? | 20.59 | ? | |
| | Manori .. | ..... | 0.17 | ..... | 0.01 | ..... | 2.30 | 0.47 | 4 | 3.45 | 8.09 | ? | 22.72 | ? | |
| | Aulaganj .. | ..... | 0.60 | 3.37 | ..... | 0.27 | 0.33 | 2.50 | 5 | 6.07 | 12.08 | ? | 44.16 | ? | |
| | Madhupur .. | ..... | ..... | 1.50 | ..... | ..... | 2.25 | 1.16 | 3 | 5.21 | 12.02 | 7.06 | 26.43 | 18.10 | |
| North Bhagalpur. | Sonepur .. | ..... | 0.83 | 0.15 | 0.37 | 0.32 | 1.00 | ..... | 4 | 3.73 | 9.36 | 6.13 | 19.25 | 17.70 | |
| | Protaganj .. | ..... | 0.50 | 0.27 | ..... | 3.28 | 3.12 | ..... | 4 | 5.17 | 9.04 | ? | 30.31 | ? | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Durbhanga | Tajpur .. | ..... | 0.53 | 0.40 | 0.05 | ..... | 0.48 | 0.88 | 5 | 3.19 | 10.51 | 7.15 | 19.05 | 16.32 | |
| | Durbhanga .. | ..... | 0.05 | | | | | | | | | | | | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 18th of July 1890—concl.

| Meteorological Division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 18th May 1890. | Average rainfall from 18th May to date. |
|--------------------------|----------------------|---------------|----------------------|--------------------|--------------------|---------------------|-----------------------|----------------------|--------------------|-----------------------|-------------------|-------------------------------------|--|--------------------------------------|---|
| | | | Saturday, 12th July. | Sunday, 13th July. | Monday, 14th July. | Tuesday, 15th July. | Wednesday, 16th July. | Thursday, 17th July. | Friday, 18th July. | Number of rainy days. | of Rainfall week. | | | | |
| NORTH BENGAL—concluded | Champanag... | Motihari | 0.13 | 0.13 | 0.03 | 0.77 | 2.43 | 2.80 | 5 | 6.38 | 11.08 | 6.70 | 29.00 | 18.00 | |
| | | Mottish | 0.04 | 0.02 | 0.03 | 0.73 | 0.80 | 1.32 | 5 | 3.26 | 10.85 | 5.21 | 24.08 | 17.00 | |
| | | Bagaha | 0.08 | 0.13 | 0.00 | 0.71 | 0.70 | 1.07 | 5 | 4.10 | 13.40 | ? | 30.77 | 17.00 | |
| SOUTH BENGAL | Saran | Barkhara | 0.08 | 0.10 | 0.20 | 0.24 | 0.80 | 0.74 | 4 | 1.04 | 4.11 | 7.30 | 14.45 | 18.00 | |
| | | Chuprah | 0.04 | 0.20 | 0.00 | 0.15 | 0.28 | 0.05 | 4 | 1.07 | 4.71 | 7.04 | 20.01 | 15.00 | |
| | | Buxar | 2.74 | 0.31 | 0.04 | 0.03 | 2.03 | 2.10 | 5 | 7.21 | 0.23 | 5.43 | 17.04 | 15.00 | |
| | Shahabad | Dehree | 0.07 | 0.21 | 0.00 | 0.05 | 0.03 | 0.41 | 5 | 0.77 | 5.43 | 6.37 | 13.18 | 15.00 | |
| | | Hindooch | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 2.30 | 3 | 3.05 | 6.45 | 0.77 | 10.41 | 12.00 | |
| | | Nawadah | 0.70 | 1.45 | 0.00 | 0.04 | 0.00 | 1.00 | 1 | 0.76 | 3.00 | 5.43 | 18.91 | 12.00 | |
| | Gya | Arrah | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8 | 3.67 | 10.43 | 6.00 | 24.31 | 14.00 | |
| | | Moharrah | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8 | 3.61 | 4.91 | ? | 11.91 | 14.00 | |
| | | Aurangabad | 0.11 | 2.43 | 0.00 | 0.27 | 0.43 | 0.43 | 4 | 3.24 | 7.46 | 6.88 | 17.33 | 15.00 | |
| | Patna | Gya | 0.23 | 0.43 | 0.07 | 0.10 | 0.58 | 0.24 | 4 | 1.74 | 12.34 | 5.70 | 23.70 | 15.00 | |
| | | Nawadah | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | 1.17 | 5 | 2.01 | 11.58 | 6.28 | 20.28 | 15.00 | |
| | | Jehanabad | 0.12 | 0.08 | 0.00 | 0.00 | 0.00 | 0.35 | 3 | 0.55 | 8.28 | 6.76 | 20.00 | 15.00 | |
| CENTRAL NAGPUR. | Saran | Arwal | 0.12 | 0.14 | 0.20 | 0.80 | 0.40 | 0.70 | 7 | 3.88 | 5.38 | ? | 0.30 | 15.00 | |
| | | Daudnagar | 0.12 | 0.11 | 0.00 | 0.00 | 0.00 | 0.12 | 3 | 1.21 | 4.92 | ? | 11.01 | 15.00 | |
| | | Sherrghati | 1.00 | 0.11 | 0.00 | 0.10 | 0.00 | 0.00 | 6 | 2.13 | 5.86 | ? | 11.00 | 15.00 | |
| | Monghyr | Pakri-Barawan | 0.80 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 4 | 3.73 | 8.05 | ? | 27.53 | 15.00 | |
| | | Patna | 0.05 | 1.70 | 0.02 | 0.00 | 0.00 | 2.88 | 5 | 4.71 | 7.76 | 6.49 | 17.03 | 14.00 | |
| | | Imbore | 0.87 | 0.00 | 0.10 | 1.25 | 1.95 | 0.10 | 4 | 3.07 | 5.83 | 6.21 | 16.61 | 13.00 | |
| | South Bhagal-pore | Behar | 0.10 | 0.24 | 0.40 | 0.10 | 0.10 | 0.80 | 5 | 2.00 | 5.00 | 6.49 | 18.34 | 14.00 | |
| | | Barkham | 0.73 | 0.00 | 1.10 | 0.00 | 0.10 | 0.30 | 5 | 2.00 | 5.00 | 6.49 | 18.34 | 14.00 | |
| | | Hilsa | 1.00 | 0.10 | 0.00 | 1.00 | 0.00 | 0.00 | 4 | 0.71 | 12.78 | ? | 24.08 | 13.00 | |
| | Mouthal Per-gundahs. | Shikarpore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 4 | 4.78 | 6.28 | ? | 24.05 | 13.00 | |
| | | Monghyr | 0.08 | 0.13 | 0.12 | 1.73 | 0.00 | 1.20 | 4 | 2.38 | 3.20 | 6.08 | 14.81 | 13.00 | |
| | | Jamul | 0.35 | 0.03 | 0.04 | 0.22 | 0.00 | 0.29 | 6 | 5.75 | 6.73 | 6.13 | 23.73 | 14.00 | |
| CENTRAL NAGPUR. | South Bhagal-pore | Ginga | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6 | 7.14 | 8.68 | 0.10 | 24.20 | 14.00 | |
| | | Shikarpore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.50 | 10.84 | ? | 25.80 | 14.00 | |
| | | Shikarpore | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 2.70 | 4.00 | ? | 10.10 | 14.00 | |
| | Mouthal Per-gundahs. | Bhagulpore | 1.41 | 0.48 | 1.00 | 0.18 | 0.32 | 0.00 | 5 | 4.77 | 8.03 | 5.42 | 21.75 | 14.00 | |
| | | Banka | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 1.04 | 4 | 1.86 | 5.17 | 5.77 | 15.74 | 15.00 | |
| | | Kalyan | 0.10 | 1.00 | 0.00 | 0.10 | 0.00 | 1.00 | 5 | 3.00 | 15.23 | ? | 32.06 | 15.00 | |
| | Mouthal Per-gundahs. | Bangson | 0.00 | 1.00 | 0.00 | 0.10 | 0.00 | 1.00 | 5 | 3.08 | 7.14 | ? | 10.03 | 15.00 | |
| | | Rajmohal | 0.75 | 0.40 | 0.12 | 0.00 | 0.00 | 1.87 | 3 | 2.74 | 5.76 | 5.11 | 21.75 | 21.00 | |
| | | Godda | 0.14 | 0.40 | 1.78 | 0.48 | 0.00 | 2.65 | 5 | 5.51 | 8.55 | 5.72 | 22.81 | 14.00 | |
| | CENTRAL NAGPUR. | Hazaribagh | Pakour | 0.06 | 0.03 | 2.05 | 0.01 | 0.00 | 1.00 | 6 | 5.04 | 8.79 | 7.70 | 24.74 | 21.00 |
| | | | Nya Dookha | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 4 | 5.57 | 10.01 | 6.04 | 27.85 | 21.00 |
| | | | Dookha | 0.72 | 0.00 | 0.12 | 0.00 | 0.00 | 3.15 | 4 | 4.00 | 6.48 | 6.05 | 18.04 | 17.00 |
| Hazaribagh | | Jamuna | 0.13 | 0.00 | 0.14 | 0.26 | 0.00 | 2.65 | 5 | 3.73 | 7.27 | 6.05 | 20.07 | 17.00 | |
| | | Mahayama | 0.65 | 0.00 | 0.10 | 0.00 | 0.00 | 2.12 | 3 | 2.02 | 7.30 | ? | 22.42 | 17.00 | |
| | | Nantol | 0.00 | 0.31 | 0.85 | 0.00 | 0.00 | 1.05 | 4 | 3.77 | 6.02 | ? | 12.34 | 17.00 | |
| Hazaribagh | | Pachamba | 1.10 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 3.00 | 7.00 | 6.06 | 27.18 | 16.00 | |
| | | (Girdi) | 0.78 | 0.02 | 0.53 | 0.00 | 0.00 | 2.32 | 5 | 3.34 | 9.41 | 7.14 | 10.10 | 15.00 | |
| | | Sontapur | 0.12 | 2.22 | 0.00 | 0.00 | 0.00 | 2.80 | 4 | 5.30 | 7.07 | 7.07 | 10.30 | 15.00 | |
| CENTRAL NAGPUR. | | Hazaribagh | Mahudi Hills | 0.70 | 0.70 | 0.00 | 1.10 | 1.10 | 1.30 | 5 | 4.90 | 7.90 | 6.05 | 22.10 | 21.00 |
| | | | Juomra Hills | 2.35 | 0.00 | 1.00 | 0.10 | 0.70 | 1.00 | 5 | 5.05 | 8.53 | ? | 17.24 | 15.00 |
| | | | Bara | 0.63 | 0.00 | 0.00 | 0.80 | 0.00 | 0.75 | 5 | 2.80 | 7.75 | ? | 16.85 | 15.00 |
| | Lohardugga | Karagaha | 2.67 | 0.20 | 0.00 | 0.00 | 0.00 | 0.47 | 5 | 4.34 | 6.57 | ? | 24.17 | 15.00 | |
| | | Kamhar | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0.00 | 5.20 | ? | 16.70 | 15.00 | |
| | | Lohardugga | 0.55 | 0.35 | 0.00 | 0.12 | 0.21 | 0.07 | 5 | 1.00 | 5.03 | 7.11 | 14.68 | 16.00 | |
| | Manbhum | Kanchi | 0.00 | 0.00 | 0.00 | 0.12 | 0.21 | 0.07 | 5 | 1.00 | 5.03 | 7.11 | 14.68 | 16.00 | |
| | | Palasow | 0.00 | 0.00 | 0.18 | 0.53 | 0.23 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | |
| | | Bali | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | |
| | Manbhum | Batmas | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | |
| | | Jasminabad | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | |
| | | Guruch | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | |
| Manbhum | Chyabana | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 3 | 0.19 | 5.16 | 7.20 | 17.30 | 15.00 | | |
| | Chakradhar-pore. | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.27 | 7.85 | ? | 22.30 | 15.00 | | |
| | Ghuteella | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.27 | 7.85 | ? | 22.30 | 15.00 | | |
| Manbhum | Baharagura | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.27 | 7.85 | ? | 22.30 | 15.00 | | |
| | Purulia | 0.00 | 0.00 | 0.00 | 0.11 | 0.17 | 0.00 | 3 | 0.28 | 7.21 | 6.89 | 22.61 | 15.00 | | |
| | Golandpore | 0.00 | 0.00 | 0.11 | 0.17 | 0.00 | 0.00 | 3 | 0.28 | 7.21 | 6.89 | 22.61 | 15.00 | | |
| Manbhum | Kapthasala-pore. | 0.00 | 0.00 | 0.11 | 0.17 | 0.00 | 0.00 | 3 | 0.28 | 7.21 | 6.89 | 22.61 | 15.00 | | |
| | Barabhum | 0.00 | 0.00 | 1.20 | 1.00 | 0.00 | 0.00 | 3 | 2.20 | 5.35 | ? | 20.04 | 15.00 | | |
| | Jhalde | 0.00 | 0.00 | 0.00 | 0.53 | 0.23 | 0.00 | 3 | 1.41 | 4.44 | 6.77 | 15.21 | 15.00 | | |
| Manbhum | Gaus | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3 | 0.00 | 5.20 | ? | 16.70 | 15.00 | | |

Explanation.—... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are missing, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 22nd July 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE
18TH OF JULY 1890.**

SETTLED weather has prevailed throughout the week, the chief feature being the weak monsoon which has been blowing in the west of the Bay, while in the eastern and northern districts general and in some cases very heavy rain has fallen throughout the week. In Orissa and the adjacent part of South-West Bengal practically no rain has fallen, but in the opposite corner of the province, in the east of North Bengal, excessively heavy rain has been received, excess in the Darjeeling hill tracts amounting to 13 inches.

The week commenced with the usual wind circulation, pressure slightly low and falling slowly in the northern districts, temperature one or two degrees below the normal in all districts, and light general rain except in the west. The wind circulation remained unchanged till the middle of the week, pressure changing slowly on the 12th and 13th, then rising rapidly for one day and again slowly on the 15th, after which a rapid fall set in, a shallow low-pressure area forming in the west of Behar and gradually extending eastwards till considerable defect prevailed in all the northern districts. General rain fell during these days in Behar, North and East Bengal, the falls being unusually heavy in the Darjeeling Hill districts and adjacent plains on Monday the 14th and 15th, diminishing in amount on the 16th, but again increasing after the rapid pressure changes during the latter half of the week. Temperature did not differ much from the normal in the first half of the week, and the usual small oscillations continued in all districts except North Bengal and Behar, where cool weather prevailed towards the end of the week. When the depression began to form in the west of Behar on the 16th, westerly winds commenced, and the current being comparatively dry, rain was much lighter on the 16th and 17th till pressure rising rapidly in North Bengal on Friday, the last day of the week, the easterly current again set in and very heavy rain was received at all the northern stations, especially in the west of Behar. On the 17th the westerly current extended as far east as Rungpore and Dhubri, but in the northern half of South-West Bengal and East Bengal light irregular winds were blowing, and the heaviest rain on this day fell in these districts. The absence of rain in the western districts was probably due to the comparatively dry westerly winds which have been blowing without interruption from Central India and extending as far west as the centre of South-West Bengal, so that the current from the Bay has been confined to the east and north of Bengal and Behar.

Pressure—Rose briskly to rapidly on Monday, and fell rapidly about the middle of the week, but at other times changes have been unimportant. The means for the week are everywhere slightly in defect, the greatest differences being between .03 and .04 inch in North Bengal and Behar. In the lower districts the means are very nearly normal, defect being generally only a few thousandths of an inch.

Temperature—Has been considerably below the normal in Assam, North Bengal, and Behar, in consequence of the heavy rain which has fallen in these districts, but in Orissa, South-West Bengal, and Chutia Nagpur, where there has been a partial break in the rains, it has been slightly above the normal. Defect in North Behar is 2.3° , in Assam 2° , in North Bengal and South Behar between 1° and 1.5° , while excess is $.7^{\circ}$ in Orissa, and the means in the other districts differ from the normal by less than half a degree.

Rainfall—As stated above, was excessively heavy in the northern districts of North Bengal and part of North Behar on Monday the 14th and again on Friday the 18th; but on the latter date the rainfall area extended further south, nearly all the stations in Behar reporting from two to five inches. Some of the heaviest falls on the 14th are—Kalimpong 8.6, Kurseong 7.8, Siliguri 5.9 inches, and Julpigoree received 7 inches on the 15th. On the 18th Kurseong reported 8.3, Siliguri 5.4, Tajpore 6.9, Durbhunga 5.3, Mozufferpore 4.7, Gogri 5.9, and Bickram 4 inches. In Orissa and the adjacent parts of South-West Bengal and Chutia Nagpur the total falls for the week are in almost all cases under half an inch. In the northern part of South-West Bengal and in East Bengal, falls are in many cases between 1 and 2 inches and at a few stations over 3 inches, the heaviest being in Moorshedabad and Backergunge. In Pubna, Bogra, Rajshahye, Maldah, and Rungpore, the average fall is about 2 inches, in Dinagepore 5 inches, but in Julpigoree and the Darjeeling hills heavy falls are reported, the average for the latter being 15 inches. In North Behar falls are generally between 4 and 6 inches, the heaviest being in Purneah and Durbhunga. Amounts are more variable in South Behar and the northern parts of Chutia Nagpur, and generally lie between 2 and 5 inches.

The mean fall for North Behar is 5.1 inches, for East and North Bengal and South Behar about 3.5 inches, Chutia Nagpur 2.2 inches, South-West Bengal 1.6 inches, and Orissa 1 inch. Excess in North Behar is 3.1 inches, and defect in Orissa over 2 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 18th of July 1890:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | | | RAINFALL. | | | | | | | | | |
|------------------------------|-------------------------------|------------------------------|-------------------------|------------------------|-----------------------|----------|--|-----------------|------------|-------------------------|--------------------------------|------------|----------|---------------------|----------|-----------------|--|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 15th May. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | Average. | | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Orissa | 83.4 | 77.3 | 80.0 | 80.0 | 84.5 | +0.7 | 0.96 | 3.15 | -3.20 | 3.3 | 4.1 | -1.9 | 7.22 | 7.03 | 21.30 | 17.20 | |
| South-West Bengal ... | 84.3 | 74.3 | 80.5 | 79.0 | 84.3 | +0.1 | 1.63 | 3.37 | -0.74 | 3.5 | 4.3 | -0.6 | 8.74 | 6.48 | 24.07 | 19.35 | |
| East Bengal | 80.8 | 67.0 | 86.0 | 77.0 | 81.8 | -0.4 | 3.37 | 3.23 | +0.05 | 5.5 | 5.0 | +0.5 | 9.33 | 8.80 | 31.90 | 31.53 | |
| North Bengal | 92.8 | 74.6 | 88.1 | 78.1 | 83.1 | -1.2 | 3.88 | 3.51 | +1.37 | 5.3 | 4.1 | +1.4 | 8.78 | 8.50 | 35.90 | 31.56 | |
| North Bihar | 90.7 | 74.6 | 88.0 | 77.7 | 82.9 | -2.3 | 5.10 | 1.97 | +3.13 | 5.1 | 3.0 | +2.1 | 10.04 | 7.41 | 24.31 | 17.99 | |
| South Bihar | 95.4 | 73.7 | 88.4 | 78.5 | 83.5 | -1.3 | 3.55 | 3.04 | +1.51 | 4.2 | 3.6 | +0.6 | 7.44 | 6.38 | 21.31 | 14.73 | |
| Chutia Naapur | 86.0 | 71.4 | 84.8 | 78.5 | 79.0 | +0.3 | 2.30 | 2.63 | -0.42 | 3.5 | 4.6 | -1.1 | 5.93 | 7.15 | 17.04 | 16.33 | |
| Assam | 82.6 | 70.5 | 87.8 | 77.1 | 82.4 | -3.0 | | | | | | | | | | | |

* Chyabasa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 22nd July 1890.

C. LITTLE,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th July 1890.

| MONTH. | Date. | Pressure at 10 A.M. corrected and reduced to 32° Fahr. | TEMPERATURE. | | | | | | HYGROMETRY. | | | Rainfall past 24 hours. |
|--------------|----------|--|--------------|----------|--------|----------|---------------------|---------------------|----------------------------|----------------------|---------------------|-------------------------|
| | | | Daily mean. | Maximum. | Range. | Minimum. | Dry bulb at 10 A.M. | Wet bulb at 10 A.M. | Vapour pressure at 10 A.M. | Dew point at 10 A.M. | Humidity at 10 A.M. | |
| | | Inches. | ° | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| July 1890... | 13th ... | 29.578 | 84.3 | 89.0 | 9.4 | 79.6 | 83.3 | 80.3 | 1.001 | 79.3 | 87 | ... |
| " | 14th ... | 29.585 | 84.9 | 91.0 | 12.2 | 78.3 | 84.3 | 80.5 | 0.987 | 78.8 | 83 | ... |
| " | 15th ... | 29.587 | 84.0 | 89.2 | 10.4 | 78.3 | 81.3 | 79.5 | 0.981 | 78.7 | 91 | 0.11 |
| " | 16th ... | 29.610 | 85.2 | 91.5 | 10.7 | 80.8 | 86.6 | 82.5 | 1.057 | 80.9 | 84 | ... |
| " | 17th ... | 29.511 | 85.2 | 89.0 | 7.7 | 81.3 | 85.3 | 79.5 | 0.927 | 76.7 | 76 | ... |
| " | 18th ... | 29.510 | 86.0 | 91.0 | 10.0 | 81.0 | 87.6 | 83.5 | 1.004 | 82.0 | 84 | ... |
| " | 19th ... | 29.518 | 85.2 | 91.0 | 11.7 | 79.3 | 87.0 | 81.5 | 1.003 | 80.0 | 78 | ... |

| | | | |
|--|-----|---------|--------|
| The mean 10 A.M. pressure of the seven days ... | ... | Inches. | 29.577 |
| The mean temperature of the seven days ... | ... | ° | 85.1 |
| The extreme variation of temperature ... | ... | ° | 12.7 |
| The maximum temperature ... | ... | ° | 91.5 |
| The mean 10 A.M. relative humidity of the seven days ... | ... | % | 83 |
| The total fall of rain from 13th to 19th July 1890 ... | ... | Inches. | 0.11 |
| The daily mean temperatures are the crude means of maximum and minimum temperatures. | | | |

J. H. GILLILAND,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 21st July 1890.

Results of the Meteorological Observations taken at the Alipore Observatory from
13th to 19th July 1890.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | TEMPERATURE. | | | | HYGROMETRY. | | | | WIND. | | Rain. | WEATHER. |
|--------|-------|-----------------|-------------------------------------|--------------------------------------|--------------|----------|--------|----------|----------------|------------------|------------|-----------|-----------------------|-----------------|---------|----------------------------|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour pressure. | Dew point. | Humidity. | Prevailing direction. | Miles recorded. | | |
| 1890. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches. | ° | % | | | Inches. | |
| July | 13th | 156.3 | 2.0 | 29.537 | 83.6 | 87.3 | 3.7 | 79.2 | 80.3 | 0.993 | 79.0 | 86 | SSW and S | 64 | 0.01 | Chiefly cloudy, o, d. |
| " | 14th | 150.5 | 6.8 | .002 | 84.2 | 88.6 | 10.2 | 78.4 | 80.6 | .997 | 79.1 | 85 | SSE | 61 | Nil | Partially cloudy. |
| " | 15th | 145.6 | 5.7 | .610 | 84.0 | 87.8 | 9.8 | 78.0 | 80.2 | .978 | 78.6 | 84 | SSW and calm | 98 | 0.10 | Partially cloudy, p. |
| " | 16th | 145.5 | 1.5 | .636 | 84.9 | 89.8 | 9.6 | 80.2 | 83.6 | .991 | 79.0 | 83 | SSW, WSW and calm. | 109 | Nil | Chiefly cloudy o. |
| " | 17th | 144.5 | 1.7 | .453 | 85.1 | 87.8 | 7.0 | 80.8 | 81.3 | 1.016 | 79.8 | 84 | Variable and calm | 38 | " | Chiefly cloudy, o, g. |
| " | 18th | 148.4 | 1.0 | .406 | 85.4 | 90.1 | 9.9 | 80.5 | 81.3 | 1.015 | 79.7 | 83 | SSE and calm | 43 | 0.02 | Chiefly cloudy, d. |
| " | 19th | 156.9 | 5.3 | .464 | 84.5 | 88.5 | 9.9 | 78.6 | 79.5 | 0.942 | 77.4 | 79 | SE by S and ESE | 102 | 0.06 | Partially cloudy, o, t, d. |

The mean pressure of the seven days 29.524
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.518

The total number of hours of bright sunshine 24.0
 The maximum possible number of hours of sunshine 93.4

The mean temperature of the seven days 84.5
 The average temperature of the corresponding period for 24 years, S.-G.'s Office 83.5
 The extreme variation of temperature 12.1
 The maximum temperature 90.1

The highest velocity of the wind in one hour 11
 lbs.

The highest pressure of wind on one square foot Not measurable.

The mean relative humidity 83
 The average relative humidity of the corresponding period for 24 years, S.-G.'s Office 86

The total fall of rain from 13th to 19th July 1890 0.19
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.76
 The total fall from 1st January to 19th July 1890 26.77
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 28.98

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h., 10h., 10h., and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; d, drizzling rain; p, passing temporary showers; g, gloomy; t, thunder.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
 Calcutta, the 21st July 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 5th July 1890.

BIRTHS.

The births registered during the week ending with Saturday, the 5th July 1890, in twenty-seven principal towns of Bengal, excluding one (Gya) from which no return has yet been received, correspond to an annual rate of 16·4 per 1,000 of the aggregate population of the twenty-six towns, which is 985,453. This rate is 2·9 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years except 1886—*vide* the figures below:—

| | 1886. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885-89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of births per 1,000 of the population per annum | 22·4 | 18·1 | 20·5 | 19·2 | 18·0 | 19·2 | 16·4 |

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|-----------------|-----------------|----------------|--------------|-----------------|-----------------|-----------------|---------------------|
| | 14th June 1890. | 21st June 1890. | 28th June 1890. | 5th July 1890. | | 14th June 1890. | 21st June 1890. | 28th June 1890. | 5th July 1890. |
| Burdwan | 22·0 | 7·6 | 19·8 | 16·8 | Narainganj | 12·4 | 58·0 | 12·4 | 4·1 |
| Midnapore | 13·9 | 3·1 | 20·1 | 17·0 | Chittagong | 9·4 | 23·5 | 21·1 | 42·3 |
| Hughli and Chinsurah | 18·7 | 14·3 | 18·1 | 26·3 | Comillah | 38·5 | 11·5 | 38·5 | 34·7 |
| Serampore | 33·6 | 20·4 | 27·5 | 25·5 | Patna City | 7·5 | 7·8 | 11·6 | 10·1 |
| Uttarpara | 18·9 | 9·4 | 9·4 | 27·7 | Gya | 16·4 | 12·8 | 21·9 | Data not furnished. |
| Howrah | 10·9 | 15·6 | 13·2 | 21·2 | Arrah | 8·4 | 17·9 | 10·8 | 14·4 |
| Bali | 10·5 | 10·3 | 14·0 | 10·5 | Muzafferpore | 7·3 | 18·3 | 15·8 | 13·6 |
| Kishnagar | 15·1 | 9·5 | 26·5 | 1·9 | Durbananga | 20·5 | 17·3 | 28·3 | 18·4 |
| Kansghat | 12·0 | ... | 6·0 | 18·0 | Chupra | 4·0 | 3·0 | 5·0 | 7·0 |
| Kantipore | 17·5 | 8·6 | 17·5 | 12·3 | Bhagalpore | 12·7 | 17·2 | 21·7 | 29·9 |
| Jessore | 6·1 | 26·8 | 24·2 | 24·8 | Monghyr | 20·8 | 23·6 | 24·4 | 14·5 |
| Rampore Beaulah | 31·8 | 59·5 | ... | 14·8 | Purneah | 12·9 | ... | 3·5 | 17·3 |
| Darjiling | ... | 7·8 | 9·7 | 11·0 | Poori | 21·0 | 29·4 | 14·7 | 23·1 |
| Dacca | 9·1 | ... | ... | ... | | | | | |

It will be seen that last week the highest birth-rate was returned from Chittagong (42·3) and the lowest from Kishnagar (1·9).

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 19·6 per 1,000 of the population. The rate of the week is 4·8 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1888—*vide* the figures below:—

| | 1886. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885-89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of deaths per 1,000 of the population per annum | 26·5 | 22·5 | 23·4 | 18·4 | 20·0 | 24·6 | 19·6 |

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|-----------------|-----------------|----------------|--------------|-----------------|-----------------|-----------------|---------------------|
| | 14th June 1890. | 21st June 1890. | 28th June 1890. | 5th July 1890. | | 14th June 1890. | 21st June 1890. | 28th June 1890. | 5th July 1890. |
| Burdwan | 19·8 | 15·3 | 19·8 | 16·8 | Narainganj | 34·2 | 16·0 | 20·7 | 8·5 |
| Midnapore | 15·8 | 20·1 | 25·3 | 21·7 | Chittagong | 11·7 | 16·4 | 22·5 | 37·6 |
| Hughli and Chinsurah | 29·5 | 19·7 | 27·9 | 23·0 | Comillah | 34·7 | 11·5 | 34·7 | 46·2 |
| Serampore | 23·6 | 15·7 | 20·4 | 23·4 | Patna City | 17·6 | 15·3 | 14·3 | 15·5 |
| Uttarpara | 18·9 | 28·3 | ... | 9·4 | Gya | 27·3 | 34·8 | 27·3 | Data not furnished. |
| Howrah | 20·6 | 12·0 | 8·6 | 8·0 | Arrah | 18·2 | 37·1 | 45·5 | 21·1 |
| Bali | 14·0 | 17·5 | 10·5 | 24·6 | Muzafferpore | 24·0 | 20·8 | 30·3 | 31·6 |
| Kishnagar | 9·5 | ... | ... | 13·2 | Durbananga | 33·0 | 21·3 | 20·0 | 17·8 |
| Kansghat | 6·0 | 6·0 | ... | 6·0 | Chupra | 12·1 | 14·1 | 10·1 | 8·0 |
| Kantipore | 14·0 | 18·8 | 7·0 | 14·0 | Bhagalpore | 24·4 | 18·1 | 16·3 | 15·4 |
| Jessore | 12·2 | 20·7 | 12·8 | 18·4 | Monghyr | 18·1 | 17·2 | 19·9 | 9·9 |
| Rampore Beaulah | 22·6 | 23·6 | 15·8 | 15·4 | Purneah | 3·5 | 10·4 | 27·7 | 10·4 |
| Darjiling | 14·8 | 27·0 | 20·3 | 51·9 | Poori | 122·9 | 203·0 | 245·5 | 28·0 |
| Dacca | 24·0 | 17·5 | 19·5 | 21·4 | | | | | |

It will be seen that last week the highest mortality occurred in the town of Poori (86) and the lowest in Ranaghat (6).

Measured by last week's mortality, the highest annual death-rates from the following registered death-causes were as follows:—

| Cholera. | | Small-pox. | | Fever. | | Bowel-complaints. | | Other causes. | |
|--------------|------------------|----------------------|------------------|-----------|------------------|-------------------|------------------|---------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Poori | 27.3 | Hughli and Chinsurah | 4.9 | Comillah | 34.7 | Darjiling | 22.2 | Poori | 25.3 |
| Mozufferpore | 14.6 | | | Darjiling | 29.6 | Poori | 14.6 | Scrampore | 15.7 |
| Arrah | 13.2 | | | | | | | Chittagong | 11.7 |
| Durbhanga | 6.3 | | | | | | | | |

The total mortality from the several registered death-causes in the twenty-six towns amounted to 3.3 from cholera, against 7.6 per 1,000 in the preceding week; .5 from small-pox, against .3; 8.1 from fever, against 8.5; 2. from bowel-complaints, against 3.2; .3 from injury, against .6; and 5.4 from other causes, against 5.3 in the preceding week.

The mortality of last week according to Sex, Class and Age was as follows:—

| According to Sex. | | According to Class. | | According to Age. | |
|--|------------------|---------------------|------------------|----------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Males | 20.8 | Christians | 22.6 | Under 1 year | 160.9 |
| Females | 18.4 | Hindus | 18.9 | 1 and under 5 years | 31.2 |
| Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population | 113 | Mahomedans | 21.3 | 5 " 10 " | 12.6 |
| | | Budhists | 25.7 | 10 " 15 " | 12.8 |
| | | | | 15 " 20 " | 13.7 |
| | | | | 20 " 30 " | 9.6 |
| | | | | 30 " 40 " | 10.6 |
| | | | | 40 " 50 " | 13.1 |
| | | | | 50 " 60 " | 19.1 |
| | | | | 60 years and upwards | 48.1 |

W. H. GREGG, Dip. Publ. Health, Camb.,
Sanitary Commissioner for Bengal.

The 22nd July 1890.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 5th July 1890.

| | | 1 | | | 2 | | | 3 | | | 4 | | | 5 | | | 6 | | | 7 | | | 8 | | | 9 | | | 10 | | | 11 | | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | Ratio of deaths per 1,000 of population per annum in the previous week | Sex. | | | Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Males. | Females. | Total. | NUMBER OF— | | | Ratio of male births to every 100 female births. | DISEASE. | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | DEATHS. | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Males. | Females. | Total. | | DEATHS FROM— | | | | | | | Cholera. | Small-pox. | Fever. | Bowel-complaints. | Injury. | Other diseases. | All causes. | | Cholera. | | Small-pox. | Fever. | Bowel-complaints. | | Injury. | Other diseases. | All causes. | Males. | Females. | Males. | Females. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Return not received up to date.

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 22nd July 1890.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of May 1890.

ORISSA CIRCLE.

TALDUNDA CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL, 27 MILES.
MACHGONG „ 4 „

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---------------------------------|--|-------------------------------|-------|--------|--|-----------|---------|----------------------------------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupces. | Tons. | Rupces. | |
| | 1. Grain ... 2. Cotton ... 3. Oilseeds ... 4. Salt ... 5. Piece-goods ... 6. Metal ... 7. Building materials ... 8. Miscellaneous ... 9. Fuel ... 10. Timber ... 11. Bamboos ... | | | Nil. | | | | Canal closed for annual repairs. |
| | 12. Total ... | | | | | | | |
| | 13. Total of same month last year. | | | | | | | |
| | | | | | | | | |
| | | Up. | Down. | Total. | | | Rs. A. | |
| | 14. Total number of boats plying cargo No. | | | | Total tollage of month— 24 + 25 + 26 ... | | Nil. | |
| | 15. Total number of boats plying passenger No. | | | | Total tollage of same month last year ... | | | |
| | 16. Total registered tonnage, cargo Tons | | | | Memorandum of Tollage. | | | |
| | 17. Total registered tonnage, passenger Tons | | | | | | | |
| | 18. Ton-mileage ... | | | | | | | |
| | 19. Estimated value of cargo Rs. | | | | | | | |
| | 20. Number of passengers ... | | | | | | | |
| | 21. Rafts, bamboos C. ft. | | Nil. | | 1. Balance not recovered on the 1st of the month ... | | | Rs. A. 380 5 |
| | 22. Do., bullahs " | | | | 2. Tollage per month ... | | | 0 15 |
| | 23. Estimated value of rafts Rs. | | | | 3. Total ... | | | 381 4 |
| | 24. Tollage on boats " | | | | 4. Amount credited in the accounts of the month ... | | | 381 4 |
| | 25. Compounded tollage on boats Rs. | | | | | | | |
| | 26. Tollage on rafts " | | | | 5. Balance due at the end of the month ... |  |  | ..... |
| | 27. Total tollage on boats per ton-mile Rs. | | | | | | | |
| | 28. Total tollage on rafts per 100 cubic feet Rs. | | | | | | | |

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | PRIVATE. | | REMARKS. |
|---------------------------|--|-------------------------------|-------------|-------------|---|-------------|----------------------------------|
| | | Quantity—Tons. | | | Value. | Quantity. | |
| | | Up. | Down. | Total. | Rupces. | Tons. | |
| 4 | 1. Grain ... | | | | | | Canal closed for annual repairs. |
| | 2. Cotton ... | | | | | | |
| | 3. Oilseeds ... | | | | | | |
| | 4. Salt ... | | | | | | |
| | 5. Piece-goods ... | | | | | | |
| | 6. Metal ... | | | | | | |
| | 7. Building materials ... | ..... | 93 | 93 | 90 | ..... |  |
| | 8. Miscellaneous ... | | | | | | |
| | 9. Fuel ... | | | | | | |
| | 10. Timber ... | | | | | | |
| | 11. Bamboos ... | | | | | | |
| 4 | 12. Total ... | ..... | 93 | 93 | 90 | ..... |  |
| 2 & 2 rafts. | 13. Total of same month last year. | | 5 & 511 No. | 5 & 511 No. | 100 | 5 & 511 No. | 100 |
| 14. | Total number of boats plying cargo No. | ..... | 4 | 4 | Total tollage of month— 24 + 25 + 26 ... | | Rs. A. P. |
| 15. | Total number of boats plying passenger No. | 1 | ..... | 1 | | | 39 15 5 |
| 16. | Empty boats .. | 9 | 8 | 17 | | | |
| 16. | Total registered tonnage, cargo, private Tons | ..... | ..... | ..... | Total tollage of same month last year ... | | 82 9 4 |
| 16. | Ditto ditto, Government .. | ..... | 201 | 201 | | | |
| 17. | Total registered tonnage, passenger Tons | 2 | ..... | 2 | | | |
| 17. | Empty boats .. | 122 | 27 | 149 | Memorandum of Tollage. | | |
| 18. | Ton-mileage ... | 541 | 189 | 730 | | | |
| 19. | Estimated value of cargo Rs. | ..... | 90 | 90 | | | |
| 20. | Number of passengers ... | 2 | ... | 2 | 1. Balance not recovered on the 1st of the month ... | | 5,110 10 6 |
| 21. | Rafts, bamboos C. ft. | ..... | ..... | ..... |  |  |  |
| 22. | Do., bullahs .. | ..... | ..... | ..... |  |  |  |
| 23. | Estimated value of rafts Rs. | ..... | ... | ..... | 2. Tollage per month ... | | 39 15 5 |
| 24. | Tollage on boats .. | 8-10-6 | 31-4-11 | 39-15-5 | | | |
| 25. | Compounded tollage on boats Rs. | ..... | ..... | ..... |  |  |  |
| 26. | Tollage on rafts .. | ..... | ..... | ..... | Amount refunded which was erroneously shown as balance in July 1889 | | —8 12 0 |
| 27. | Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-1-5 | | | |
| 28. | Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | ..... |  |  |  |
| 3. | Total ... | | | | 3. Total ... | | 5,141 13 11 |
| 4. | Amount credited in the accounts of the month ... | | | | | | 5,072 10 11 |
| 5. | Balance due at the end of the month ... | | | | | | 69 3 0 |

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | PRIVATE. | | REMARKS. |
|---|---------------------------------------|-------------------------------|-------|--------|--|---------|----------------------------------|
| | | Quantity—Tons. | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Tons. | Rupces. | |
| | 1. Grain ... | | | Nil. | | | Canal closed for annual repairs. |
| | 2. Cotton ... | | | | | | |
| | 3. Oilseeds ... | | | | | | |
| | 4. Salt ... | | | | | | |
| | 5. Piece-goods ... | | | | | | |
| | 6. Metal ... | | | | | | |
| | 7. Building materials ... | | | | | | |
| | 8. Miscellaneous ... | | | | | | |
| | 9. Fuel ... | | | | | | |
| | 10. Timber ... | | | | | | |
| | 11. Bamboos ... | | | | | | |
| | 12. Total ... | | | | | | |
| | 13. Total of same month last year ... | | | Nil. | | | |
| | | Up. | Down | Total | Total tollage of month— 24 + 25 + 26 ... | | Rs. A. |
| 14. Total number of boats plying cargo | No. | | | | Total tollage of same month last year ... |  | ..... |
| 15. Total number of boats plying passenger | No. | | | | Memorandum of Tollage. | | |
| 16. Total registered tonnage, cargo | Tons | | | | | | Rs. A. |
| 17. Total registered tonnage, passenger | Tons | | | | 1. Balance not recovered on the 1st of the month ... | | 641 15 |
| 18. Ton-mileage | ... | | | | 2. Tollage per month ... |  | ..... |
| 19. Estimated value of cargo | Rs. | | | | 3. Total ... | | 641 15 |
| 20. Number of passengers | ... | | Nil. | | 4. Amount credited in the accounts of the month | | 641 15 |
| 21. Rafts, bamboos | C. ft. | | | | 5. Balance due at the end of the month ... |  | ..... |
| 22. Do., bullocks | " | | | | | | |
| 23. Estimated value of rafts | Rs. | | | | | | |
| 24. Tollage on boats | " | | | | | | |
| 25. Compounded tollage on boats | Rs. | | | | | | |
| 26. Tollage on rafts | " | | | | | | |
| 27. Total tollage on boats per ton-mile | Rs. | | | | | | |
| 28. Total tollage on rafts per 100 cubic feet | Rs. | | | | | | |

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | PRIVATE. | | REMARKS. |
|--|------------------------------------|-------------------------------|---------|---------|--|-----------|----------------------------------|
| | | Quantity—Tons. | | | Value. | Quantity. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | |
| | 1. Grain ... | | | Nil. | | | Canal closed for annual repairs. |
| | 2. Cotton ... | | | | | | |
| | 3. Oilseeds ... | | | | | | |
| | 4. Salt ... | | | | | | |
| | 5. Piece-goods ... | | | | | | |
| | 6. Metal ... | | | | | | |
| | 7. Building materials ... | | | | | | |
| | 8. Miscellaneous ... | | | | | | |
| | 9. Fuel ... | | | | | | |
| | 10. Timber ... | | | | | | |
| | 11. Bamboos ... | | | | | | |
| | 12. Total ... | | | | | | |
| | 13. Total of same month last year. | | | | | | |
| 14. Total number of boats plying cargo ... No. |  | ..... | ..... | ..... | Total tollage of month— 24 + 25 + 26 ... | | Rs. A. P. 163 4 6* |
| 15. Total number of boats plying passenger ... No. | | 21 | 24 | 45 | Total tollage of same month last year ... |  | ..... |
| 16. Total registered tonnage, cargo ... Tons |  | ..... | ..... | ..... | Memorandum of Tollage. | | |
| 17. Total registered tonnage, passenger ... Tons | | 538 | 411 | 949 | | | |
| 18. Ton-mileage ... | | 6,456 | 1,238 | 7,689 | 1. Balance not recovered on the 1st of the month ... |  | ..... |
| 19. Estimated value of cargo Ra. |  | ..... | ..... | ..... | 2. Tollage per month ... | | 163 4 6 |
| 20. Number of passengers ... |  | ..... | ..... | ..... | 3. Total ... | | 163 4 6 |
| 21. Rafts, bamboos C. ft. |  | ..... | ..... | ..... | 4. Amount credited in the accounts of the month ... | | 163 4 6 |
| 22. Do., bullehs " |  | ..... | ..... | ..... | 5. Balance due at the end of the month ... |  | ..... |
| 23. Estimated value of rafts Ra. |  | ..... | ..... | ..... |  |  |  |
| 24. Tollage on boats " | | 71-6-6 | 91-14-0 | 163-4-6 | | | |
| 25. Compounded tollage on boats Ra. |  | ..... | ..... | ..... |  |  |  |
| 26. Tollage on rafts " |  | ..... | ..... | ..... |  |  |  |
| 27. Total tollage on boats per ton-mile Ra. |  | ..... | ..... | ..... |  |  |  |
| 28. Total tollage on rafts per 100 cubic feet Ra. |  | ..... | ..... | ..... |  |  |  |

* Tollage for transport service during April.

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | PRIVATE. | | REMARKS. | |
|---------------------------------|---------------------------------------|-------------------------------|-------|--------|----------|-----------|----------------------------------|---------|
| | | Quantity—Tons. | | | Value. | Quantity. | | Value. |
| | | Up. | Down. | Total. | Rupees. | Tons. | | Rupees. |
| | 1. Grain ... | } | | Nil. | | | Canal closed for annual repairs. | |
| | 2. Cotton ... | | | | | | | |
| | 3. Oilseeds ... | | | | | | | |
| | 4. Salt ... | | | | | | | |
| | 5. Piece-goods ... | | | | | | | |
| | 6. Metal ... | | | | | | | |
| | 7. Building materials ... | | | | | | | |
| | 8. Miscellaneous ... | | | | | | | |
| | 9. Fuel ... | | | | | | | |
| | 10. Timber ... | | | | | | | |
| | 11. Bamboos ... | | | | | | | |
| | 12. Total ... | | | | | | | |
| | 13. Total of same month last year. | | | | | | | |

| | Up. | Down. | Total. | | Rs. A. P. |
|---|--------|--------|---------|--|-----------|
| 14. Total number of boats plying cargo No. | ..... | ..... | ..... | Total tollage of month— 24 + 25 + 26 ... | 135 4 6 |
| 15. Total number of boats plying passenger No. | 21 | 24 | 45 | Total tollage of same month last year ... | ... |
| 15½. Ditto empty ditto „ | 5 | ..... | 5 | | ... |
| 16. Total registered tonnage, cargo Tons | ..... | ..... | ..... | Memorandum of Tollage. | |
| 16½. Ditto of Govt. do. „ | ..... | ..... | ..... |  |  |
| 17. Total registered tonnage, passenger Tons | 341 | 467 | 808 | | |
| 17½. Ditto empty ditto „ | 17 | ..... | 17 | | |
| 18. Ton-milage ... | 6,717 | 8,873 | 15,590 | 1. Balance not recovered on the 1st of the month ... | —0 10 |
| 19. Estimated value of cargo Rs. | ... | ..... | ..... | 2. Tollage per month ... | 135 4 |
| 20. Number of passengers ... | ..... | ..... | ... | 3. Total ... | 134 10 |
| 21. Rafts, bamboos C. ft. | ..... | ..... | ..... | 4. Amount credited in the accounts of the month ... | 135 4 |
| 22. Do., bullahs „ | ..... | ..... | ..... | 5. Balance due at the end of the month ... | 0 10 |
| 23. Estimated value of rafts Rs. | ..... | ..... | ..... |  |  |
| 24. Tollage on boats „ | 56-4-0 | 79-0-6 | 135-4-6 | | |
| 25. Compounded tollage on boats Rs. | ..... | ..... | ..... |  |  |
| 26. Tollage on rafts „ | ..... | ..... | ..... |  |  |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | ..... |  |  |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | ..... |  |  |

* Of this amount, Rs. 133-1-6 is for tollage on transport service for April 1890.

SOUTH-WESTERN CIRCLE.
MIDNAPORE CANAL.
LENGTH OF CANAL OPEN, 53 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---------------------------|---|-------------------------------|----------------------|-------------------------|--|-------------------------|-------------|-------------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupces. | Tons. | Rupces. | |
| 514 | 1. Grain ... | 3,154 | 550 | 3,704 | 2,27,224 | 3,704 | 2,27,224 | |
| 1 | 2. Cotton ... | 3 | 2 | 5 | 1,993 | 5 | 1,993 | |
| 24 | 3. Oilseeds ... | 232 | 83 | 315 | 34,805 | 315 | 34,805 | |
| 113 | 4. Salt ... | ..... | 1,103 | 1,103 | 1,11,210 | 1,103 | 1,11,210 | |
| 13 | 5. Piece-goods ... | 2 | 108 | 110 | 3,06,100 | 110 | 3,06,100 | |
| 32 | 6. Metal ... | 203 | 197 | 400 | 3,47,770 | 400 | 3,47,770 | |
| 40 | 7. Building materials ... | 389 | 16 | 405 | 1,403 | 405 | 1,403 | |
| 366 | 8. Miscellaneous ... | 1,078 | 777 | 1,855 | 10,61,783 | 1,855 | 10,61,783 | |
| 42 | 9. Fuel ... | 127 | 483 | 610 | 8,110 | 610 | 8,110 | |
| 14 rafts | 10. Timber ... | 930 c. ft. | 72 c. ft. | 1,002 c. ft. | 950 | 1,002 c. ft. | 950 | |
| 3 rafts | 11. Bamboos ... | 83 „ | 60 „ | 143 „ | 29 | 143 „ | 29 | |
| 1,145 & 17 rafts. | 12. Total ... | { 5,188 & 1,013 c. ft. | { 3,319 & 132 c. ft. | { 8,507 & 1,145 c. ft. | { 21,01,377 | { 8,507 & 1,145 c. ft. | { 21,01,377 | |
| 1,502 & 10 rafts. | 13. Total of same month last year. | { 7,788 & 1,985 c. ft. | { 3,272 & 240 c. ft. | { 11,060 & 2,225 c. ft. | { 9,63,353 | { 11,060 & 2,225 c. ft. | { 9,63,353 | |
| | | Up. | Down. | Total. | | | | Rs. A. P. |
| 14. | Total number of boats plying cargo No. | 740 | 405 | 1,145 | Total tollage of month—24 + 25 + 26 ... | | | 8,492 5 0 |
| 15. | Total number of boats plying passenger No. | 530 | 728 | 1,258 | Total tollage of same month last year ... | | | 9,267 3 0 |
| 15½. | Ditto empty „ | 262 | 663 | 925 | | | | |
| 16. | Total registered tonnage, cargo Tons | 11,040 | 7,320 | 18,360 | Memorandum of Tollage. | | | |
| 17. | Total registered tonnage, passenger Tons | 3,732 | 4,239 | 7,971 | | | | |
| 17½. | Ditto empty „ | 1,652 | 3,353 | 5,005 | | | | Rs. A. P. |
| 18. | Ton-mileage ... | 272,479 | 248,431 | 520,910 | 1. Balance not recovered on the 1st of the month ... | | | 6,738 13 10 |
| 19. | Estimated value of cargo Rs. | 12,93,671 | 8,06,727 | 21,00,398 | 2. Tollage per month ... | | | 8,492 5 0 |
| 20. | Number of passengers ... | 5,793 | 16,421 | 22,214 | 3. Total ... | | | 15,231 2 10 |
| 21. | Rafts, bamboos C. ft. | 83 | 60 | 143 | | | | |
| 22. | Do., bullahs „ | 930 | 72 | 1,002 | 4. Amount paid into treasury during the month ... | | | 8,014 13 0 |
| 23. | Estimated value of rafts Rs. | 825 | 154 | 979 | | | | |
| 24. | Tollage on boats „ | 4,725-10-3 | 3,740-8-3 | 8,466-2-6 | 5. Balance due at the end of the month ... | | | 7,216 5 0 |
| 25. | Compounded tollage on boats Rs. | ..... | ..... | ..... |  |  |  |  |
| 26. | Tollage on rafts „ | 25-4-6 | 0-14-0 | 26-2-6 | | | | |
| 27. | Total tollage on boats per ton-mile Pie | ..... | ..... | 0-0-3 | | | | |
| 28. | Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 2-4-6 | | | | |

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|--|---------------------------------------|-------------------------------|------------------------|---------------------------|--|---------------------------|----------|------------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 145 | 1. Grain ... | 876 | ..... | 876 | 33,893 | 876 | 33,893 | |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 1 | 3. Oilseeds ... | ..... | ..... | ..... | 50 | ..... | 50 | |
| 21 | 4. Salt ... | ..... | 153 | 153 | 15,797 | 153 | 15,797 | |
| ... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 6 | 7. Building materials ... | 1 | 14 | 15 | 184 | 15 | 184 | |
| 347 | 8. Miscellaneous ... | 7 | 143 | 150 | 20,533† | 150 | 20,483 | |
| 5 | 9. Fuel ... | 1 | 30 | 31 | 226 | 31 | 226 | |
| 2 rafts | 10. Timber ... | ..... | 83 c. ft. | 83 c. ft. | 67 | 83 c. ft. | 67 | |
| 3 " | 11. Bamboos ... | 25 c. ft. | 275 " | 300 " | 15 | 300 " | 15 | |
| 525 & 3 rafts. | 12. Total ... | { 885 & 25 c. ft. | { 340 & 358 c. ft. | { 1,225 & 383 c. ft. } | 70,765 { | { 1,225 & 383 c. ft. } | 70,715 | |
| 224 & 1 raft. | 13. Total of same month last year. | { 3,968 | { 1,316 & 96 c. ft. | { 5,284 & 96 c. ft. } | 3,35,642 { | { 5,248 & 96 c. ft. } | 3,35,392 | |
| | | Up. | Down. | Total. | | | | Rs. A. P. |
| Total number of boats ply- ing cargo No. | | 180 | 345 | 525 | Total tollage of month— 24 + 25 + 26 ... | | | 1,509 13 0 |
| Total number of boats ply- ing passenger No. | | 16 | 16 | 32 | Total tollage of same month last year ... | | | 5,389 1 0 |
| Total registered tonnage, cargo Tons | | 1,879 | 2,545 | 4,424 | Memorandum of Tollage. | | | |
| Total registered tonnage, passenger Tons | | 124 | 230 | 354 | | | | |
| Ton-mileage ... | | 35,941 | 49,854 | 85,795 | | | | Rs. A. P. |
| Estimated value of cargo Rs. | | 34,267 | 36,416 | 70,683 | | | | |
| Number of passengers ... | | 168 | 931 | 1,099 | 1. Balance not recovered on the 1st of the month ... | | | 1,153 8 6 |
| Rafts, bamboos C. ft. | | 25 | 275 | 300 | 2. Tollage per month ... | | | 1,509 13 0 |
| Do., bullehs " |  | ..... | 83 | 83 | | | | |
| Estimated value of rafts Rs. | | 3 | 79 | 82 | 3. Total ... | | | 2,663 5 6 |
| Tollage on boats " | | 628-7-6 | 878-5-9 | 1,506-13-3 | | | | |
| Compounded tollage on boats Rs. |  | ..... | ..... | ..... | 4. Amount paid into treasury during the month ... | | | 1,468 13 3 |
| Tollage on rafts " | | 0-1-0 | 2-14-9 | 2-15-9 | | | | |
| Total tollage on boats per ton-mile Rs. |  | ..... | ..... | 0-0-3-3 | | | | |
| Total tollage on rafts per 100 cubic feet Rs. |  | ..... | ..... | 0-12-5 | 5. Balance due at the end of the month | | | 1,194 8 3 |

* 10 maunds only. | † 10 maunds for Government work.

SONE CIRCLE.
PATNA CANAL SYSTEM.
 LENGTH OF CANAL OPEN, 86½ MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | Remarks. |
|---------------------------------|---------------------------------------|-------------------------------|-------|--------|----------|-----------|----------|---|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupers. | Tons. | Rupers. | |
| 1 | 1. Grain ... | 1 | | 1 | 82 | 1 | 82 | The canal was closed from 3rd May to 13th June. |
| ... | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| ... | 3. Oilseeds ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| ... | 4. Salt ... | 25 | ..... | 25 | 2,800 | 25 | 2,800 | |
| ... | 5. Piece-goods ... | 5 | ..... | 5 | 7,500 | 5 | 7,500 | |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 12 | 7. Building materials ... | 13 | 41 | 54 | 448 | 13 | 180 | |
| 2 | 8. Miscellaneous ... | 12 | 1 | 13 | 1,880 | 13 | 1,880 | |
| 1 | 9. Fuel ... | ... | 2 | 2 | 15 | 2 | 15 | |
| ... | 10. Timber By raft ... | ..... | 37 | 37 | 325 | 37 | 325 | |
| ... | 10. Timber By boat ... | ..... | 16 | 16 | 775 | 16 | 775 | |
| 4 | 11. Bamboos { By boat ... | ..... | 6 | 6 | 95 | 6 | 95 | |
| ... | 11. Bamboos { „ raft ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 20 | 12. Total ... | 56 | 103 | 159 | 13,920 | 118 | 13,652 | |
| 210 | 13. Total of same month last year ... | 627 | 4,406 | 5,033 | 2,91,683 | 5,000 | 2,90,378 | |

| | Up. | Down. | Total. | | Rs. A. |
|---|--------|---------|---------|--|----------|
| 14. Total number of boats plying cargo No. | 9 | 11 | 20 | Total tollage of month— 24 + 25 + 26 ... | 200 0 |
| 15. Total number of boats plying passenger No. | 2 | ..... | 2 | | |
| 15½. Ditto empty boats „ | 13 | 14 | 27 | Total tollage of same month last year ... | 4,244 14 |
| 16. Total registered tonnage, cargo Tons | 73 | 83 | 156 | | |
| 17. Total registered tonnage, passenger Tons | 5 | ..... | 5 | | |
| 17½. Ditto empty boats „ | 40 | 63 | 103 | | |
| 18. Ton-mileage ... | 4,572 | 2,670 | 7,242 | | |
| 19. Estimated value of cargo Rs. | 12,187 | 313 | 13,500 | | |
| 20. Number of passengers ... | 117 | ..... | 117 | | |
| 21. Rafts, bamboos C. ft. | ..... | 975 | 975 | | |
| 22. Do., bullahs „ | ..... | 2,750 | 2,750 | | |
| 23. Estimated value of rafts Rs. | ..... | 420 | 420 | | |
| 24. Tollage on boats „ | 15-5-5 | 14-13-3 | 30-2-8 | | |
| 25. Compounded tollage on boats Rs. | 75-0-0 | 75-0-0 | 150-0-0 | | |
| 26. Tollage on rafts „ | ..... | 20-7-3 | 20-7-3 | | |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-4·7 | | |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-8-9 | | |
| | | | | Memorandum of Tollage. | |
| | | | | 1. Balance not recovered on the 1st of the month ... | 639 5 |
| | | | | 2. Tollage per month ... | 200 0 |
| | | | | 3. Total ... | 839 14 |
| | | | | 4. Amount credited in the accounts of the month ... | 347 5 |
| | | | | 5. Balance due at the end of the month ... | 492 9 |

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

| Number of boats or rafts. | Description. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | |
|---------------------------|------------------------------------|-------------------------------|-------|--------|----------|-----------|----------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. |
| 34 | 1. Grain ... | 10 | 398 | 403 | 28,732 | 403 | 28,732 |
| ... | 2. Cotton ... | 43 | ..... | 43 | 54,250 | 43 | 54,250 |
| 32 | 3. Oilseeds ... | ..... | 490 | 490 | 52,550 | 490 | 52,550 |
| 36 | 4. Salt ... | 378 | ..... | 378 | 41,870 | 378 | 41,870 |
| 3 | 5. Piece-goods ... | 8 | ..... | 8 | 7,400 | 8 | 7,400 |
| ... | 6. Metal ... | 8 | ..... | 8 | 1,308 | 8 | 1,308 |
| 10 | 7. Building materials | ..... | 78 | 78 | 4,430 | 71 | 4,424 |
| 68 | 8. Miscellaneous ... | 114 | 388 | 502 | 28,558 | 314 | 26,682 |
| 2 | 9. Fuel ... | 18 | ..... | 18 | 233 | 18 | 233 |
| ... | 10. Timber ... | ..... | ..... | ..... | ..... | ..... | ..... |
| Rafts | Bullahs ... | ..... | 1,279 | 1,279 | 8,026 | 1,279 | 8,026 |
| ... | 11. Bamboos ... | ..... | 904 | 904 | 8,337 | 904 | 8,337 |
| ... | Firewood ... | ..... | 101 | 101 | 177 | 101 | 177 |
| 185 | 12. Total ... | 579 | 3,633 | 4,212 | 2,35,871 | 4,017 | 2,33,989 |
| 71 | 13. Total of same month last year. | 251 | 2,663 | 2,914 | 99,112 | 2,819 | 97,462 |

| | Up. | Down. | Total. | | Rs. A. P. |
|--|----------|----------|-----------|--|------------|
| Total number of boats plying cargo No. | 60 | 125 | 185 | Total tollage of month— 24 + 25 + 26 ... | 2,381 11 3 |
| Total number of boats plying passenger No. | 5 | 6 | 11 | Total tollage of same month last year ... | 1,476 5 0 |
| Total number of empty boats No. | 107 | 5 | 112 | <i>Memorandum of Tollage.</i> | |
| Total registered tonnage, cargo Tons | 985 | 2,151 | 3,136 | | |
| Total registered tonnage, passenger Tons | 121 | 108 | 229 | | |
| Total registered tonnage, empty Tons | 397 | 19 | 416 | | |
| Ton-milage ... | 72,339 | 111,976 | 184,315 | 1. Balance not recovered on the 1st of the month ... | 140 1 3 |
| Estimated value of cargo Rs. | 1,15,855 | 1,03,476 | 2,19,331 | 2. Tollage per month ... | 2,381 11 3 |
| Number of passengers ... | 1,329 | 1,242 | 2,571 | 3. Total ... | 2,521 12 6 |
| Rafts, bamboos C.ft. | ..... | 1,35,720 | 1,35,720 | 4. Amount credited in the accounts of the month ... | 2,430 15 3 |
| Do., bullans „ | ..... | 95,970 | 95,970 | 5. Balance due at the end of the month ... | 90 13 3 |
| Do., firewood „ | ..... | 7,580 | 7,580 | | |
| Estimated value of rafts Rs. | ..... | 16,540 | 16,540 | | |
| Tollage on boats „ | 411-11-9 | 924-7-3 | 1,336-3-0 | | |
| Compounded tollage on boats Ra. | 228-0-0 | 228-0-0 | 456-0-0 | | |
| Tollage on rafts „ | ..... | 589-8-3 | 589-8-3 | | |
| Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-1-86 | | |
| Total tollage on rafts per 100 cubic feet Ra. | ..... | ..... | 0-3-11 | | |

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | PRIVATE. | | REMARKS. |
|---------------------------|---|-------------------------------|---------|---------|--|----------|----------|
| | | Quantity—Tons. | | | Quantity. | Value. | |
| | | Up. | Down. | Total. | Tons. | Rupess. | |
| 40 | 1. Grain ... | 114 | 502 | 616 | 616 | 45,238 | |
| .. | 2. Cotton ... | ..... | ..... | ..... | ..... | ..... |  |
| 10 | 3. Oilseeds ... | ..... | 216 | 216 | 216 | 23,000 | |
| .. | 4. Salt ... | 1 | ..... | 1 | 1 | 174 | |
| .. | 5. Piece-goods ... | 1 | ..... | 1 | 1 | 2,760 | |
| .. | 6. Metal ... | 3 | 2 | 5 | 5 | 11,260 | |
| 2 | 7. Building materials | ..... | 26 | 26 | ..... | 968 | |
| 8 | 8. Miscellaneous ... | 39 | 87 | 126 | 126 | 12,388 | |
| 7 | 9. Fuel ... | ..... | 84 | 84 | 84 | 1,023 | |
| Rafts | 10. Timber ... | ..... | 542 | 542 | 542 | 3,843 | |
| | 11. Bamboos ... | ..... | 443 | 443 | 443 | 3,403 | |
| 67 | 12. Total ... | 158 | 1,902 | 2,060 | 2,034 | 1,04,057 | |
| 12 | 13. Total of same month last year. | 72 | 947 | 1,019 | 1,013 | 26,272 | |
| | | Up. | Down. | Total. | | | Rs. A. |
| 14. | Total number of boats plying cargo No. | 11 | 56 | 67 | | | |
| 15. | Total number of boats plying passenger No. | 11 | 9 | 20 | Total tollage of month— | | |
| 15½. | Ditto empty boats " | 56 | 7 | 63 | 24 + 25 + 26 ... | | 970 11 |
| 16. | Total registered tonnage, cargo Tons | 206 | 2,189 | 2,395 | Total tollage of same month last year ... | | 532 5 |
| 17. | Total registered tonnage, passenger Tons | 223 | 243 | 466 | | | |
| 17½. | Ditto empty " | 221 | 26 | 247 | | | |
| 18. | Ton-mileage ... | 9,814 | 27,596 | 37,410 | Memorandum of Tollage. | | |
| 19. | Estimated value of cargo Rs. | 20,386 | 75,825 | 96,811 | | | |
| 20. | Number of passengers ... | 598 | 650½ | 1,248½ | | | |
| 21. | Rafts, bamboos C. ft. | ..... | 66,456 | 66,456 | | | |
| 22. | Do., bullaha " | ..... | 40,664 | 40,664 | | | |
| 23. | Estimated value of rafts Rs. | ..... | 7,246 | 7,246 | | | |
| 24. | Tollage on boats " | 159-10-3 | 344-7-6 | 504-1-9 | | | |
| 25. | Compounded tollage on boats Rs. | 107-0-0 | 107-0-0 | 214-0-0 | | | |
| 26. | Tollage on rafts " | ..... | 252-9-6 | 252-9-6 | | | |
| 27. | Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-3-6 | | | |
| 28. | Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-3-9 | | | |
| | | | | | 1. Balance not recovered on the 1st of the month ... | 52 8 | |
| | | | | | 2. Tollage per month ... | 970 11 | |
| | | | | | 3. Total ... | 1,028 3 | |
| | | | | | 4. Amount credited in the accounts of the month ... | 986 9 | |
| | | | | | 5. Balance due at the end of the month ... | 36 10 | |

ABSTRACT FOR THE MONTH OF MAY 1890 AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| CANAL. | TRAFFIC, 1890-91. | | | TRAFFIC, 1889-90. | | | REMARKS. | | | | | |
|------------------------------|-------------------|----------------------|----|-------------------|----------------------|----|----------|-------|----|--------|----|---|
| | During the month. | To end of the month. | | During the month. | To end of the month. | | | | | | | |
| <i>Orissa Circle.</i> | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | | | |
| Taldunda Canal System ... | ..... |  |  | 806 | 6 | 2 | ..... | 1,319 | 4 | 3 | | |
| Kendrapara Canal System | 39 | 15 | 5 | 7,753 | 0 | 5 | 82 | 9 | 4 | 6,993 | 14 | 4 |
| High Level, Range I ... | ..... |  |  | 1,233 | 5 | 0 | ..... | 1,020 | 9 | 0 | | |
| Ditto " II ... | 163 | 4 | 6 | 719 | 4 | 0 | ..... | 837 | 3 | 9 | | |
| Ditto " III ... | 135 | 4 | 6 | 504 | 14 | 9 | ..... | 407 | 7 | 9 | | |
| Kajepore Canal | 15 | 0 | 0 | 22 | 7 | 10 | ..... | 14 | 12 | 4 | | |
| Total Orissa Circle ... | 353 | 8 | 5 | 11,039 | 6 | 2 | 82 | 9 | 4 | 9,693 | 3 | 5 |
| <i>South-Western Circle.</i> | | | | | | | | | | | | |
| Midnapore Canal ... | 8,492 | 5 | 0 | 19,397 | 3 | 3 | 9,267 | 3 | 9 | 22,502 | 14 | 3 |
| Hidgellee Tidal Canal ... | 1,509 | 13 | 0 | 3,210 | 5 | 0 | 5,389 | 1 | 0 | 10,990 | 1 | 3 |
| Total South-Western Circle | 10,002 | 2 | 0 | 22,607 | 8 | 3 | 14,656 | 4 | 9 | 33,492 | 15 | 6 |
| <i>Sone Circle.</i> | | | | | | | | | | | | |
| Patna Canal System ... | 200 | 9 | 11 | 4,025 | 15 | 2 | 4,244 | 14 | 9 | 4,996 | 2 | 3 |
| Arrah ditto ... | 2,381 | 11 | 3 | 4,459 | 0 | 6 | 1,476 | 5 | 9 | 3,737 | 11 | 3 |
| Buxar ditto ... | 970 | 11 | 3 | 2,167 | 9 | 9 | 532 | 5 | 9 | 1,605 | 12 | 0 |
| Total Sone Circle ... | 3,553 | 0 | 5 | 10,652 | 9 | 5 | 6,253 | 10 | 3 | 10,339 | 9 | 6 |
| GRAND TOTAL ... | 13,908 | 10 | 10 | 44,299 | 7 | 10 | 20,992 | 8 | 4 | 53,525 | 12 | 5 |

GOVERNMENT TRANSPORT SERVICE.

| CANAL. | TRAFFIC, 1890-91. | | | | | | TRAFFIC, 1889-90. | | | | | |
|-------------------------|-------------------|--------|-----------------|----------------------|--------|-----------------|-------------------|--------|-----------------|----------------------|--------|-----------------|
| | During the month. | | | To end of the month. | | | During the month. | | | To end of the month. | | |
| | Passen- gers. | Goods. | Total receipts. | Passen- gers. | Goods. | Total receipts. | Passen- gers. | Goods. | Total receipts. | Passen- gers. | Goods. | Total receipts. |
| <i>Orissa Circle.</i> | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. | No. | Mds. | Rs. A. P. |
| High Level ... | ... | ... | ..... | 1,307 | 2,816 | 1,443 14 5 | 45 | 218 | 70 1 6 | 900 | 2,598 | 1,151 2 4 |
| Total Orissa Circle ... | ... | ... | ..... | 1,307 | 2,816 | 1,443 14 5 | 45 | 218 | 70 1 6 | 900 | 2,598 | 1,151 2 4 |

TOTAL NAVIGATION RECEIPTS.

| CANAL. | EARNINGS, 1890-91. | | | | | | EARNINGS, 1889-90. | | | | | | REMARKS. |
|---------------------------|--------------------|----|----|----------------------|----|----|--------------------|----|----|----------------------|----|----|----------|
| | During the month. | | | To end of the month. | | | During the month. | | | To end of the month. | | | |
| | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | Rs. | A. | P. | |
| Orissa Canals ... | 353 | 8 | 5 | 12,483 | 4 | 7 | 152 | 10 | 10 | 10,844 | 5 | 9 | |
| Midnapore Canal ... | 8,492 | 5 | 0 | 19,397 | 3 | 3 | 9,267 | 3 | 9 | 22,502 | 14 | 3 | |
| Hidgellee Tidal Canal ... | 1,509 | 13 | 0 | 3,210 | 5 | 0 | 5,389 | 1 | 0 | 10,990 | 1 | 3 | |
| Sone Canals ... | 3,553 | 0 | 5 | 10,652 | 9 | 5 | 6,253 | 10 | 3 | 10,339 | 9 | 6 | |
| Total ... | 13,908 | 10 | 10 | 45,743 | 6 | 3 | 21,062 | 9 | 10 | 54,676 | 14 | 9 | |

CALCUTTA,
The 22nd July 1890.G. A. G. SHAW,.
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 19th July 1890,
as compared with the corresponding week of the previous year.*

| NATURE OF CARGO. | WEEK ENDING SATURDAY, THE 19TH JULY 1890. | | | WEEK ENDING SATURDAY, THE 20TH JULY 1889. | | |
|-----------------------|--|---------------------|----------|--|---------------------|----------|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy | 396 | 68,850 | 1,058 | 362 | 65,825 | 1,040 |
| Jute | 10 | 3,850 | 68 | 15 | 8,000 | 146 |
| Firewood | 132 | 72,425 | 1,121 | 116 | 55,200 | 809 |
| Other articles | 861 | 2,53,160 | 3,409 | 817 | 1,98,776 | 2,873 |
| Total | 1,399 | 3,97,775 | 5,651 | 1,310 | 3,22,800 | 4,868 |

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the five weeks and 2 days ended 30th June 1890,
as compared with the same period of 1889.

| STAPLES. | 1890. | | 1889. | | Increase. | | Decrease. | |
|---|------------------|------------------|--------------------|------------------|-----------------|-----------------|------------------|-----------------|
| | Weight. | Freight. | Weight. | Freight. | Weight. | Freight. | Weight. | Freight. |
| ANIMALS, LIVING | No. Mds. | Rs. | No. Mds. | Rs. | No. Mds. | Rs. | No. Mds. | Rs. |
| Horses, ponies, and mules | 97 | 848 | 32 | 308 | 65 | 540 | 643 | 543 |
| Cattle | 113 | 865 | 85 | 304 | 74 | 501 | 217 | 217 |
| Sheep and goats | 6,064 | 2,977 | 4,731 | 3,700 | 883 | 217 | 217 | 217 |
| Other kinds | 1,000 | 605 | 322 | 267 | 717 | 338 | 338 | 338 |
| BORAX | | | | | | | | |
| Canes and ratans | 1 | 1 | 8 | 2 | | | 3 | 1 |
| Caoutchouc (Indian-rubber) | 10 | 6 | 15 | 4 | | | 5 | |
| Chinese and Japanese ware | 9,31,826 | 2,14,293 | 8,95,235 | 2,03,076 | 26,591 | 11,217 | 36,780 | 78,790 |
| Coal and coke, up | 27,16,420 | 3,40,000 | 28,10,599 | 3,70,815 | 3,70,815 | 3,70,815 | 3,70,815 | 3,70,815 |
| Do., down | 22,813 | 39,997 | 36,753 | 34,077 | 6,660 | 4,080 | 10,084 | 10,084 |
| Cotton, raw | 18,140 | 10,344 | 10,880 | 10,880 | | | 842 | 438 |
| COTTON, MANU-FACTURED. | | | | | | | | |
| Twist and yarn (European) | 10,060 | 9,001 | 14,096 | 6,723 | 1,143 | 273 | 10,084 | 10,084 |
| Do., (Indian) | 95,335 | 1,06,300 | 1,06,423 | 1,24,428 | | | 22 | 16 |
| Piece-goods (European) | 10,432 | 8,512 | 16,154 | 9,685 | 278 | | 22 | 16 |
| Do., (Indian) | 41 | 22 | 63 | 33 | | | 10 | 237 |
| Asafetida | 1,024 | 2,110 | 1,844 | 2,387 | 78 | | | |
| Other sorts, not intoxicating | 2,553 | 1,337 | 2,503 | 1,440 | | | | |
| Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and charas, &c.) | 125 | 109 | 260 | 340 | | | 135 | 112 |
| Indigo | 853 | 678 | 1,007 | 698 | | | 844 | 20 |
| DYEING MATERIALS. | | | | | | | | |
| Madder or manjit | 13,151 | 8,840 | 10,808 | 4,455 | 2,343 | 4,385 | 74 | |
| Safflower | 8,270 | 3,275 | 8,344 | 3,230 | | | | |
| Turmeric | 634 | 1,185 | 54 | 1,073 | 50 | 69 | | |
| Other kinds | 14,817 | 1,079 | 11,385 | 4,031 | 3,432 | | | |
| Earthenware and porcelain | 86,361 | 46,067 | 1,14,331 | 63,381 | | | 28,170 | 10,337 |
| FIBROUS PRODUCTS. | | | | | | | | |
| Do., manufactured (gunny-bags and cloths) | 18,550 | 3,182 | 4,685 | 1,558 | 8,664 | 1,024 | | |
| Other fibres, raw | 2,753 | 701 | 2,432 | 893 | 371 | | | |
| Do., manufactured | 4,106 | 3,778 | 4,769 | 3,137 | | | 653 | |
| FRUITS & NUTS | | | | | | | | |
| Cocoanuts | 43,075 | 29,516 | 43,532 | 29,017 | 143 | 890 | 5,60,420 | 1,31,730 |
| All other kinds | 4,83,094 | 1,25,205 | 8,32,444 | 2,60,035 | | | 1,30,390 | 48,170 |
| Wheat | 2,70,090 | 75,233 | 4,00,080 | 1,23,403 | | | 2,08,510 | 64,750 |
| Gram and pulses | 3,40,703 | 51,804 | 5,40,273 | 1,10,254 | | | 27,570 | 2,780 |
| Rice, husked | 61,859 | 13,273 | 80,529 | 10,063 | | | 68,180 | 23,506 |
| Do., unhusked | 1,35,042 | 20,049 | 2,03,173 | 43,069 | | | | |
| Other rain and spring crops | 17,270 | 27,748 | 10,800 | 32,064 | 470 | | | |
| Government stores | 9,100 | 5,264 | 9,937 | 5,983 | | | 703 | 716 |
| Gums and resins | 31,544 | 10,643 | 32,330 | 17,594 | | | 790 | 1,031 |
| HIDES & SKINS... | | | | | | | | |
| Skins of sheep, goats, and small animals | 16,203 | 7,043 | 16,344 | 7,665 | | | 1,161 | 537 |
| Horns... | | | | | | | | |
| Do., dye | 1,544 | 1,030 | 1,257 | 619 | 287 | 411 | | |
| Do., shell | 197 | 53 | 75 | 40 | 122 | 13 | | |
| LAC | | | | | | | | |
| Do., stick and other kinds | 10,601 | 6,420 | 6,524 | 4,031 | 4,077 | 1,700 | | |
| Leather, unmanufactured | 17,930 | 6,165 | 13,024 | 4,205 | 4,415 | 1,910 | | |
| Do., manufactured | 1,314 | 2,720 | 1,402 | 2,093 | | | 116 | 276 |
| LIQUORS | | | | | | | | |
| Mats | 1,906 | 1,088 | 1,106 | 1,065 | 200 | 83 | | |
| Minerals | 16,101 | 14,648 | 14,900 | 13,860 | 892 | 982 | | |
| METALS AND MANUFACTURES OF. | | | | | | | | |
| Brass and copper | 658 | 317 | 400 | 287 | 108 | 80 | | |
| Iron | 1,54,020 | 24,743 | 2,00,077 | 30,240 | | | 46,057 | 4,406 |
| Other metals | 21,891 | 13,842 | 23,422 | 25,003 | | | 6,331 | 11,701 |
| Oil | 1,19,382 | 71,001 | 96,071 | 68,245 | 21,511 | 13,716 | | |
| Other oils | 6,200 | 5,104 | 9,010 | 5,787 | | | 641 | 621 |
| Opium | 57,000 | 26,085 | 65,774 | 20,004 | 1,886 | | | |
| Paints and colours | 4,027 | 3,787 | 3,031 | 3,033 | 306 | | | |
| Provisions | 3,400 | 2,008 | 2,440 | 2,804 | 404 | 104 | | |
| Other kinds | 28,275 | 19,025 | 23,184 | 12,481 | 5,091 | 6,044 | | |
| Railway materials, Construction Account | | | | | | | | |
| Do., ditto, Foreign | 2,80,480 | 4,080 | 3,60,020 | 5,880 | | | 83,176 | 1,396 |
| Salt | 2,51,471 | 1,31,103 | 2,32,024 | 1,22,401 | 19,447 | 8,702 | | |
| SALT-PETRE, &c. | | | | | | | | |
| Salt-petre | 8,75,204 | 1,79,783 | 7,92,283 | 1,40,113 | 82,916 | 39,670 | | |
| Other saline substances | 61,597 | 29,203 | 67,881 | 20,742 | 6,713 | 2,551 | | |
| Linseed | 26,744 | 7,370 | 25,038 | 6,307 | 1,746 | 903 | | |
| Mustard and rape | 8,07,800 | 2,37,007 | 12,07,050 | 3,82,367 | | | 4,00,200 | 1,44,900 |
| Oil or kinsley | 1,00,114 | 35,023 | 2,30,184 | 55,323 | | | 79,070 | 17,800 |
| Other oilseeds | 4,336 | 1,176 | 5,326 | 1,100 | | | 470 | |
| SEEDS | | | | | | | | |
| Indigo seed | 2,10,093 | 59,227 | 2,90,033 | 79,417 | | | 80,340 | 20,160 |
| Ten seed | 9,118 | 2,403 | 8,938 | 2,715 | | | 220 | |
| Other kinds | 59,307 | 24,473 | 73,787 | 31,333 | | | 14,430 | 6,000 |
| Silk, raw | 1,438 | 1,118 | 1,477 | 1,230 | | | 39 | 131 |
| Do., manufactured (European) | 386 | 204 | 304 | 220 | | | | |
| Do., ditto (Indian) | 12,143 | 8,094 | 11,247 | 6,922 | | | | |
| Spices | | | | | | | | |
| Do., refined | 4,22,075 | 45,513 | 2,30,441 | 24,753 | 1,83,637 | 16,760 | 61,945 | 19,043 |
| Do., unrefined | 1,78,646 | 35,069 | 2,65,020 | 54,032 | | | | |
| SUGAR | | | | | | | | |
| Do., Indian | 1,01,249 | 18,709 | 1,00,434 | 14,037 | 805 | 4,733 | 843 | 2,373 |
| Do., Foreign | 4,033 | 3,274 | 4,571 | 5,667 | | | | |
| TEA | | | | | | | | |
| Do., Foreign | 1,39,650 | 60,606 | 1,54,404 | 70,271 | | | 14,854 | 9,015 |
| Tobacco | | | | | | | | |
| Timber | 84,051 | 5,336 | 30,354 | 4,002 | | | 674 | |
| Pine-wood | 81,630 | 5,732 | 51,810 | 3,860 | 30,020 | 1,883 | | |
| Wool, raw | 2,425 | 5,045 | 1,037 | 1,710 | | | 1,329 | |
| Do., manufactured (European) | 228 | 101 | | | 123 | 101 | | |
| Wool, manufactured (Indian) | 1,067 | 661 | 1,313 | 784 | | | 165 | 123 |
| Shawls | | | | | | | | |
| All other articles of merchandise | | | | | | | | |
| Bones | 2,60,471 | 1,66,675 | 3,70,520 | 1,04,543 | | | 70,040 | 7,000 |
| Potatoes | 82,305 | 22,805 | 20,337 | 6,090 | 53,029 | 16,229 | | |
| | 47,937 | 23,705 | 42,020 | 19,336 | 5,931 | 5,317 | | |
| Total | 90,97,515 | 25,03,003 | 1,13,08,066 | 30,44,501 | 4,78,847 | 1,30,604 | 16,81,988 | 6,74,102 |

General remarks on the fluctuation of principal staples carried over the East Indian Railway during five weeks and two days ended 30th June 1890.

INCREASES.

Cotton.—This is a continuation of the increase reported throughout the half year; the increase was chiefly in despatches from the Bombay, Baroda and Central India Railway and Agra to Calcutta.

Iron.—Consisted chiefly of iron pipes for Segowlie on the Tirhoot State Railway, and for Alla abad and Agra and machinery for Delhi.

Ghee.—The increase occurred in long distance despatches from stations on the Tundia district to Howrah for local consumption.

Railway material, Foreign.—Chiefly in despatches from Howrah to Delhi, Umballa and Umrin.

Salt.—This increase was chiefly in despatches of imported salt from Howrah.

Stone and marble.—Despatches of road metal from Pakur to Chitpore caused the increase recorded under this head.

Bones.—Chiefly in despatches from Mokameh Ghât, via Digla Ghât and via Mogulserai, to Bally and Chitpore.

Potatoes.—This increase was in despatches from Patna and Dinapore to Howrah for local consumption.

DECREASES.

Coal and coke.—There was an increase in the weight of upwards traffic attended with a decrease in earnings, and this was chiefly in despatches for the Oudh and Rohilkhand and the North-Western Railways. The falling off in the downward traffic was due to want of tonnage for export to coast ports and to smaller demand by Eastern Bengal State Railway stations.

Piece-goods, European.—Chiefly in despatches from Howrah and Bombay via Jubbulpore, due to the dull state in the trade generally.

Gunny bags.—Due to the dull state of the markets for linseed and wheat.

Wheat.—The falling off was due to there being no demand for export to Europe.

Gram and pulses.—Chiefly in despatches from stations on the "D" district owing to the crops having been nearly destroyed by severe frosts last winter.

Rice (husked and unhusked).—As reported in previous months, the falling off was entirely in upwards rice traffic.

Other rain and spring crops.—Due to large despatches last year of cheap food-grains to stations in the North-West Provinces and on the Gya and Tirhoot State Railways.

Brass and copper.—Chiefly in despatches from Howrah to Mirzapur and other stations owing to high prices.

Seeds.—The decrease was chiefly in linseed to Howrah for export owing to large stocks being held back in up-country markets for better prices.

Tobacco.—Chiefly in despatches from Mokameh Ghât, Barb, Patna and stations on the Tirhoot State Railway to Cawnpore and Jubbulpore owing to the market being dull.

N. ST. L. CARTER, Traffic Manager.

TRAFFIC MANAGER'S OFFICE, CALCUTTA, the 18th July 1890.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the first 12 days of July 1890, on 1,525½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|---------------|----------------------------------|--------------|-----------------------------|-----------------|--------------------------|--------------|----------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the first 12 days of July | 406,244 | 3,91,158 13 0 | 34,39,786 0 | 7,54,940 7 0 | 32,052 10 0 | 11,81,100 14 0 | 112,757½ | 142,875½ | 255,132½ |
| Or per mile of railway | 266 | 256 8 1 | 22,552 0 | 494 14 2 | 21 0 2 | 776 4 8 | 737 | 933 | 1,670 |
| For previous weeks of half-year | 408,241 | 3,91,158 13 0 | 34,39,786 0 | 7,54,940 7 0 | 32,052 10 0 | 11,81,100 14 0 | 112,757½ | 142,875½ | 255,132½ |
| COMPARISON | | | | | | | | | |
| Total for corresponding first 12 days of previous year | 550,841 | 5,00,308 3 4 | 43,29,272 10 | 9,50,180 5 6 | 28,977 1 10 | 14,88,400 10 10 | 128,408 | 162,245 | 310,703 |
| Per mile of railway corresponding period of previous year | 361 | 327 15 4 | 28,222 10 | 608 12 4 | 18 15 11 | 976 11 7 | 737 | 933 | 1,670 |
| Total to corresponding date of previous year | 550,841 | 5,00,308 3 4 | 43,29,272 10 | 9,50,180 5 6 | 28,977 1 10 | 14,88,400 10 10 | 128,408 | 162,245 | 310,703 |

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1888.

| RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1889 | | | RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 12TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 12TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|---|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 1,525½ | 14,88,470 | 976 | 1,525½ | 11,91,161 | 776 | 1,525½ | 1,35,10,320 | 501 | 1,525½ | 1,28,20,313 | 535 | — | 11,95,008 |

* The coaching traffic shows a heavy decrease as compared with the corresponding period of 1889, which embraced 12 days as against 12, besides which the figures for the former period included abnormal traffic due to an eclipse of the moon; hence the apparent falling off.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the first 12 days of July 1890, on 57½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|----------------------|----------------------------------|---------------------|-----------------------------|-----------------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the first 12 days of July | 17,396 | Rs. A. P. 8,416 14 0 | Mds. s. 73,391 10 | Rs. A. P. 4,390 9 0 | Rs. A. P. 69 4 0 | Rs. A. P. 12,855 11 0 | 1,670 | 1,206 | 2,876 |
| per mile of railway | 304 | 147 8 6 | 1,283 10 | 76 6 3 | 1 3 4 | 224 12 0 | ..... | ..... | ..... |
| for previous weeks of half-year | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for the period | 17,396 | 8,416 14 0 | 73,391 10 | 4,390 9 0 | 69 4 0 | 12,855 11 0 | 1,670 | 1,206 | 2,876 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding first 12 days of previous year | 19,984 | 10,604 10 8 | 1,20,270 0 | 5,520 11 0 | 84 9 6 | 10,009 15 2 | 1,745 | 1,300 | 3,045 |
| per mile of railway corresponding period of previous year | 349 | 181 14 8 | 2,102 30 | 96 8 3 | 1 7 8 | 279 14 4 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 19,984 | 10,404 10 8 | 1,20,270 0 | 5,520 11 0 | 84 9 6 | 10,009 15 2 | 1,745 | 1,300 | 3,045 |

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1890. | | | RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 12TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 12TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|------------|------------------|--|------------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| 57½ | Rs. 16,010 | 280 | 57½ | Rs. 12,856 | 225 | 57½ | Rs. 1,30,006 | 153 | 57½ | Rs. 1,40,460 | 184 | Rs. 10,463 | ..... |

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the first 12 days of July 1890, on 22½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|----------------------|----------------------------------|-------------------|-----------------------------|---------------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the first 12 days of July | 26,923 | Rs. A. P. 8,957 15 0 | Mds. s. 8,598 0 | Rs. A. P. 306 0 0 | Rs. A. P. 13 8 0 | Rs. A. P. 9,277 7 0 | 1,543 | 105 | 1,648 |
| per mile of railway | ..... | 412 9 8 | ..... | 13 12 1 | 0 9 8 | 416 15 5 | ..... | ..... | ..... |
| for previous weeks of half-year | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for the period | 26,923 | 8,957 15 0 | 8,598 0 | 306 0 0 | 13 8 0 | 9,277 7 0 | 1,543 | 105 | 1,648 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding first 12 days of previous year | 47,353 | 11,041 2 5 | 12,966 10 | 304 0 0 | 3 6 0 | 11,438 8 5 | 1,814 | 78 | 1,892 |
| per mile of railway corresponding period of previous year | ..... | 496 8 8 | ..... | 17 11 4 | 0 2 5 | 514 1 5 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 47,353 | 11,041 2 5 | 12,966 10 | 304 0 0 | 3 6 0 | 11,438 8 5 | 1,814 | 78 | 1,892 |

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1890. | | | RECEIPTS FOR THE FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 12TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 12TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|------------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| 22½ | Rs. 11,439 | 514 | 22½ | Rs. 9,277 | 417 | 22½ | Rs. 94,076 | 283 | 22½ | Rs. 94,000 | 283 | Rs. 430 | ..... |

NALHUTI STATE RAILWAY.

Approximate Return of Traffic for last 9 days of June 1890, on 27.25 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|------------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. c. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 9 days ... | 8,150 | 2,000 0 6 | 13,570 0 | 790 0 0 | 20 0 0 | 2,820 0 0 | 644 | 320 | 964 |
| Or per mile of railway ... | 189 | 73 0 0 | 498 0 | 29 0 0 | 1 0 0 | 103 0 0 | ..... | ..... | ..... |
| For previous 24 weeks of half-year ... | *84,115 | 20,898 0 0 | 3,94,801 0 | 17,836 0 0 | 2,225 0 0 | 50,879 0 0 | 12,861 | 11,225 | 24,786 |
| Total for 26 weeks ... | 89,265 | 22,898 0 0 | 3,98,371 0 | 18,626 0 0 | 2,245 0 0 | 53,799 0 0 | 13,515 | 11,551 | 24,706 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 8 days of previous year ... | 3,967 | 1,454 0 0 | 11,163 0 | 735 0 0 | 22 0 0 | 2,211 0 0 | 581 | 291 | 872 |
| Per mile of railway corresponding period of previous year ... | 146 | 53 0 0 | 410 0 | 27 0 0 | 1 0 0 | 81 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 89,750 | 24,084 0 0 | 3,81,008 0 | 17,543 0 0 | 2,242 0 0 | 53,519 0 0 | 14,383 | 9,902 | 24,575 |

* Audited up to week ending 17th May 1890.
 a Corrected as per half-yearly Revenue accounts.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhuti State Railway.

| RECEIPTS FOR LAST 8 DAYS OF JUNE 1890. | | | RECEIPTS FOR LAST 9 DAYS OF JUNE 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 30TH JUNE 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 30TH JUNE 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27.25 | 2,211 | 81 | 27.25 | 2,820 | 103 | 27.25 | 23,579 | 72 | 27.25 | *25,098 | 71 | ..... | 403 |

* Audited up to week ending 17th May 1890.

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the last 9 days of June 1890, on 27.3 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|--------------|-----------------------------|-----------------|--------------------------|--------------|---------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. c. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 50,323 | 17,544 0 0 | 1,83,821 0 | 23,806 0 0 | 2,476 0 0 | 49,226 0 0 | 7,327 | 7,726 | 15,053 |
| Or per mile of railway ... | 184 | 64 0 0 | 673 0 | 85 0 0 | 4 0 0 | 153 0 0 | ..... | ..... | ..... |
| For previous 24 weeks of half-year ... | 1,190,830 | 4,75,768 0 0 | 60,96,185 0 | 6,93,787 0 0 | 79,602 0 0 | 12,49,137 0 0 | 128,622 | 230,216 | 358,738 |
| Total for the half year ... | 1,231,145 | 4,93,312 0 0 | 62,80,006 0 | 7,16,593 0 0 | 82,078 0 0 | 12,62,383 0 0 | 135,949 | 237,942 | 378,791 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 44,757 | 19,298 0 0 | 1,97,000 0 | 14,880 0 0 | 4,436 0 0 | 39,004 0 0 | 6,607 | 5,800 | 11,807 |
| Per mile of railway corresponding week of previous year ... | 164 | 71 0 0 | 697 0 | 54 0 0 | 3 0 0 | 128 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 1,122,989 | 4,23,254 0 0 | 64,51,556 0 | 3,97,623 0 0 | 1,09,794 0 0 | 9,80,701 0 0 | 129,169 | 184,439 | 293,419 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

| RECEIPTS FOR LAST 8 DAYS OF JUNE 1890. | | | RECEIPTS FOR LAST 9 DAYS OF JUNE 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 30TH JUNE 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 30TH JUNE 1890. | | | Total increase in 1890-91. | Total decrease in 1890-91. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|----------------------------|----------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27.3 | 36,004 | 136 | 27.3 | 43,226 | 168 | 27.3 | 5,18,321a | 146 | 27.3 | 5,93,164 | 167 | 74,843 | ..... |

a Includes figures for supplementary adjustments.



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 30, 1890.

OFFICIAL PAPERS.

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RESOLUTION.

MEDICAL.

Dated Calcutta, the 29th July 1890.

READ—

The Annual Reports of the District Charitable Society for the years 1887, 1888, and 1889.

Read—

A letter, dated 28th June 1890, from the Joint Honorary Secretaries to the Prince Albert Victor Permanent Memorial Fund.

The Leper Asylum of Calcutta was first made over to the District Charitable Society in the year 1831, and with a short interruption has remained under the management of that body ever since. It was originally situated at Ballia-ghatta, but in 1840 was removed to its present site in Amherst Street, which was granted by Government, and new buildings were erected:—these, with additions and improvements made from time to time, are the premises now in use.

The working of the institution during the last three years is shown in the following table:—

| | 1887. | 1888. | 1889. |
|---|-------|-------|-------|
| Number of patients at the beginning of the year ... | 87 | 72 | 84 |
| Number of new patients ... | 51 | 46 | 64 |
| Number of re-admissions ... | 78 | 72 | 51 |
| Number discharged ... | 124 | 90 | 88 |
| Number died ... | 21 | 16 | 38 |
| | Rs. | Rs. | Rs. |
| Total expenditure ... | 7,276 | 8,368 | 8,975 |

The number of lepers in the Town and Suburbs, as ascertained by the Census of 1881, is 387, but it seems highly probable that others have escaped enumeration, and that the actual number now existing is largely in excess of these figures. It may, therefore, be said that not more than one-fifth of the ascertained leper population are at any one time in the Asylum. Even with this number the wards are overcrowded.

The disadvantages of the present site have often been pointed out, and have long been acknowledged. It is in the middle of a crowded urban population, its limits are so circumscribed as to preclude material additions to the existing buildings, while the surrounding lands are so valuable that the quantity required could not be obtained except at enormous cost. Again, its accessibility is such as to afford the lepers very easy means of withdrawing themselves from the care and treatment which it is desirable for their own sake, as well as for their fellow-citizens, that they should receive. The statistics quoted above show how frequent these withdrawals are. In his report for 1888, the medical officer remarked that "a great number of lepers take their discharge when they have improved considerably in health by a longer or shorter stay in the Asylum, but these very same lepers are obliged again to be admitted in a worse condition than when they left, with open and foul sores, and with their health deteriorated." Under these circumstances it is obviously most desirable that the Asylum should be removed to some site, where more ample accommodation can be provided, which shall be at some distance from a dense population, which shall be wholesome and convenient for the unfortunate sufferers, and which at the same time shall not be sufficiently easy of access to tempt them to leave it readily.

Hitherto the District Charitable Society has received a grant of Rs. 100 per mensem from the Calcutta Municipality, an annual grant of Rs. 125 from Government for medicines, and the interest, amounting to Rs. 596 a year, of two special Trust Funds. With the exception of the Rs. 1,921 thus obtained, the District Charitable Society has met the expenditure of the asylum from its general funds. In 1889 this excess expenditure amounted to upwards of Rs. 7,000 per annum.

Excluding the grants of the Government and the Municipality, the assets of the Asylum, apart from any share which might be assigned to it from the general funds, are the endowments, the capital value of which is Rs. 19,500, and the site and buildings which are, the Lieutenant-Governor is informed, worth Rs. 80,000.

Sir Steuart Bayley is satisfied that the whole subject is one which can best be considered by a Committee, the composition of which he proposes shall be as follows:—

The President and two members of the District Charitable Society;
The Chairman and two members of the Corporation of Calcutta;
Mr. W. J. Simmons on the part of the Health Society;
A representative of the Permanent Memorial Fund;
Two medical officers to be appointed hereafter.

It is possible that experience may show the necessity of nominating additional members: in this case the Lieutenant-Governor will appoint them.

The appointment of this Committee is in substantial accordance with the wishes of the subscribers to the Permanent Memorial Fund, as expressed by the Joint Honorary Secretaries, who have intimated that the subscriptions in aid of that Fund amount to Rs. 46,328, of which Rs. 20,756 have been realized. This sum, even if only a portion of the balance be collected, will be a material help to the institution which it is proposed now to reform, and Sir Steuart Bayley has observed with satisfaction that the subscribers propose to apply it in this manner rather than to attempt the establishment of an independent Asylum.

In reply to this communication, which reached him in Darjeeling, the Lieutenant-Governor informed the Joint-Secretaries that he would let them know his views after he had returned to Calcutta and consulted the Local authorities; in the meantime a copy of it was communicated to the Calcutta Corporation and to the District Charitable Society. His Honour now finds that no further preliminary references need be made, since there is ample evidence that immediate action is unanimously admitted to be necessary; and he recognizes the anxiety of all parties that this action should be undertaken in combination, and harmoniously carried through to a successful result.

The Lieutenant-Governor will now ask the Calcutta Corporation, the District Charitable Society, and the subscribers to the Permanent Memorial Fund, to nominate their several representatives; on receipt of their replies the Committee will be formally appointed and gazetted. The most obvious topics for the consideration of the Committee appear to be the locality for a new Asylum, the number of inmates for whom accommodation should be provided (on the assumption that no more stringent provision is made for compulsory detention than is contained in the Bill already circulated by the Government of India), the provision of funds for its maintenance and superintendence, the constitution of a governing body, and the regulation of the conditions under which patients are to be admitted, retained and discharged. But this enumeration is not intended to be exhaustive, and Sir Steuart Bayley will be glad to receive the advice of the Committee on any other points which may appear to them likely to promote the successful establishment and management of this most important institution.

By order of the Lieutenant-Governor of Bengal,

C. C. STEVENS,

Offg. Chief Secy. to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 26th July, 1890.

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---------------------------|------------------------------|---------------------------------------|---|
| BENGAL. | | | |
| <i>Western Districts.</i> | | | |
| Burdwan Divn. | 1 Bardwan July 26, '90 | 5.88 | Weather—rainy and seasonable. Transplantation of <i>aman</i> and <i>aus</i> going on. Sugarcane doing well. Prices of common rice:— Sra. Bardwan ... 15 Culina ... 18 Cutwa ... 14½ Ranigunge ... 15 } per rupee. |
| | Culina ... | 3.67 | |
| | Cutwa ... | 2.95 | |
| | Ranigunge ... | 2.22 | |
| | 2 Bankura .. 26, '90 | 3.03 | |
| | 3 Birbhum .. 26, '90 | 5.58 | Weather—warm and cloudy. Transplanting of <i>aman</i> rice still going on. Weeding of <i>aus</i> continues. Sugarcane thriving. Common rice sells at 18 seers per rupee at Sudder and 17½ seers at Bishenpore. The rainfall of the season has been unusually heavy. Last year (a particularly favourable agricultural year) there were almost exactly 12 inches of rain in each of the months of June, July, August, and September—say 48 inches in the 4 months. This year 84 inches of rain have already fallen before the first 2 months are over. The present condition of the crops is all that could be desired. Prices 15 to 18 seers per rupee for common rice. |
| | Ranigunge Haut ... | 4.42 | |
| | 4 Midnapur .. 26, '90 | 2.24 | Sky overcast; frequent but not heavy rain. Rice doing well everywhere, but the high lands in Tumlook are said to want more rain. Prices of common rice:— Sra. Sudder ... 15 Contai ... 18 Tumlook ... 14½ Ghatol ... 16 } per rupee. |
| | 5 Hooghly .. 26, '90 | 2.06 | |
| | Serampore ... | 1.10 | Weather—showery. State and prospects of crops excellent. Prices of common rice:— Sra. Ch. Sudder ... 18½ 0 Serampore ... 18 0 Jehanabad ... 14 14 } per rupee. |
| | Jehanabad ... | 4.25 | |
| | Howrah .. 26, '90 | 2.24 | Weather—showery. Transplantation of <i>aman</i> in progress. <i>Aus</i> , sugarcane, and jute doing well. More rain wanted in the Uluberia subdivision. Price of common rice 13 to 14 seers per rupee. |
| | Uluberia ... | 0.88 | |
| | <i>Central Districts.</i> | | Weather—seasonable. Prospects of <i>aus</i> and jute fair. Transplantation of <i>aman</i> proceeding briskly. More rain wanted. Prices stationary. |
| | 6 24-Pergha. July 26, '90 | 2.71 | |
| | 7 Nuddea .. 26, '90 | 2.33 | Weather—cloudy with occasional rain. Prospects of early rice good. Paddy on low lands in some places is being reaped. |
| | Kushtia ... | 1.38 | |
| | Meherpore ... | 2.15 | Weather—rainy. Prospects and condition of crops continue favourable. Transplantation of <i>aman</i> still going on. |
| | Chuadanga ... | 1.21 | |
| | Ranaghat ... | 1.83 | Weather—seasonable. <i>Aus</i> harvesting has commenced; outturn expected to be satisfactory. <i>Aman</i> and jute doing well. |
| | 8 Khoolna .. 26, '90 | 3.26 | |
| | Bagirhat ... | 3.54 | Weather—wet. <i>Aman</i> and <i>aus</i> doing well. Transplantation going on. |
| | Satkhira ... | 5.28 | |
| | 9 Jessore .. 26, '90 | 2.79 | Weather—very wet. About half the <i>haimanti</i> paddy has been transplanted. The present rain is very favourable for this crop. Prospects of other crops continue favourable. Price of rice as before. |
| | Jhenidah ... | 2.19 | |
| | Magura ... | 0.96 | Weather—very seasonable, there being abundance of rain. Prospects favourable throughout the district. Jute is being steeped, with promise of fair outturn. <i>Aus</i> coming on nicely. <i>Aman</i> is being transplanted. |
| | Narail ... | 0.48 | |
| | Bongong ... | 2.45 | Weather—cool and cloudy with frequent heavy showers. All crops promise well. Jute is being cut. Transplantation of <i>aman</i> continues. Sugarcane coming up well. |
| | 10 Moorshabad .. 26, '90 | 7.02 | |
| | 11 Dinagepur .. 26, '90 | 5.54 | Weather—seasonable. State and prospects of all crops very good. Common rice selling at 19 seers per rupee. |
| | Thakurgaon ... | 3.30 | |
| | 12 Rajshahye .. 26, '90 | 6.65 | Weather—hot and cloudy. Prospects of jute, <i>aus</i> , and <i>aman</i> continue good. Prices have fallen slightly. |
| | Natore ... | 2.36 | |
| | Nowgong ... | 6.48 | Weather—very rainy and cloudy. Excessive rain has done damage to jute in the Terai and has retarded transplantation of <i>uphami</i> rice in places. Sunshine is much needed for the tea gardens, and the outturn of tea generally is much behind the average. |
| | 13 Rangpur .. 26, '90 | 2.57 | |
| | Nilphamari ... | 1.86 | Weather—seasonable. Prospects of standing crops generally good. Common rice selling at 14 seers per rupee at the Sudder station. |
| | Kurigram ... | 3.08 | |
| | Gaibanda ... | 1.36 | Weather—hot and cloudy. Prospects of jute, <i>aus</i> , and <i>aman</i> continue good. Prices have fallen slightly. |
| | 14 Bogra .. 26, '90 | 2.98 | |
| | Sherpur ... | 3.92 | Weather—very rainy and cloudy. Excessive rain has done damage to jute in the Terai and has retarded transplantation of <i>uphami</i> rice in places. Sunshine is much needed for the tea gardens, and the outturn of tea generally is much behind the average. |
| | Nowkhilla ... | 4.05 | |
| | 15 Pubna .. 26, '90 | 3.31 | Weather—seasonable. Prospects of standing crops generally good. Common rice selling at 14 seers per rupee at the Sudder station. |
| | 16 Darjeeling .. 26, '90 | 10.22 | |
| | 17 Julpigoree .. 26, '90 | 7.84 | |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---------------------------|------------------------------|---------------------------------------|---|
| HENGAI.—concluded. | | | |
| <i>Eastern Districts.</i> | | | |
| DAKA DIV. | 18 Dacca July 26, '90 | 2.40 | Weather—rainy and cloudy with gleams of sunshine at intervals. Jute and <i>aus</i> paddy being harvested. <i>Aus</i> paddy has suffered to some extent owing to rapid rise of rivers. Prospects of <i>amun</i> and other crops good. Fodder is not available in abundance. Price of common rice stationary. |
| | 19 Furreedpur „ 26, '90 | 4.10 | Weather—seasonable. Harvesting of <i>aus</i> paddy and jute continues. <i>Amun</i> doing well. Crops partially damaged in some parts of Madaripore by insects. River rising. Price of common rice stationary. |
| | 20 Backergunge „ 26, '90 | 4.45 | Weather—seasonable. Prospects of standing crops generally good. Extent of sowing and transplanting of <i>amun</i> same as last year. Common rice selling at about 14 seers per rupee. |
| | 21 Mymensingh „ 26, '90 | 2.18 | Weather—cloudy and rainy. <i>Aus</i> paddy and jute being harvested. Transplantation of <i>amun</i> still going on. Prospects of standing crops favourable. Common rice sells at 13 seers 9 chittacks per rupee. |
| CHITTAGONG DIV. | 22 Chittagong „ 26, '90 | 8.05 | Weather—seasonable. <i>Aus</i> crop sown to the extent of over 12 annas. Prospects good. Common rice selling at 17 seers per rupee. |
| | 23 Noakholly „ 26, '90 | 6.29 | Weather—seasonable. Reaping of <i>aus</i> commenced. Prospects generally good. <i>Amun</i> crop is being transplanted. |
| | 24 Tipperah „ 26, '90 | 4.46 | Weather—very rainy and cloudy. Transplanting of <i>amun</i> going on. Here and there <i>aus</i> and jute being out. Prospects of paddy good. |
| | 25 Chittagong Hill Tracts. „ | ... | Report not received. |
| MEHAR. | Hill Tipperah „ 25, '90 | 2.60 | Weather—rainy. Harvesting of <i>aus</i> paddy and <i>til</i> nearly completed. Transplanting of <i>amun</i> continues. Prospects of <i>jum</i> crops fair. No change in prices. |
| | 26 Patna „ 26, '90 | 2.22 | Weather—hot. Transplantation of paddy going on. Prospects of <i>bhadoi</i> crops fair, but cessation of rain is required. Harvesting of <i>cheena</i> has commenced in the Barh subdivision. Prices of food-grains almost stationary. |
| | Barh „ | 2.00 | |
| | Dinapore „ | 4.80 | |
| PATNA DIV. | 27 Gya „ 25, '90 | 5.44 | Weather—cloudy. Transplantation of paddy commenced. Sugarcane doing well. <i>Bhadoi</i> has been much injured by excessive rain. Prices of food-grains stationary. |
| | 28 Shahabad „ 26, '90 | 15.30 | Weather—very wet, cooler. In the Buxar and Sudder subdivisions <i>bhadoi</i> crops very much damaged by excess of rain. In Sasaram and Bhabuah prospects of <i>bhadoi</i> crops reported to be better. Paddy thriving. Prices stationary. |
| | 29 Buxar „ | 5.05 | |
| | Bhabuah „ | 2.75 | |
| BIHAR DIV. | Sasaram „ | 7.42 | |
| | Darbhanga „ 26, '90 | 4.71 | Weather—cloudy and rainy. Prospects of <i>bhadoi</i> crops continue very favourable. Transplantation of rice is being rapidly pushed on. Indigo manufacture in progress. Prices remain unchanged. |
| | Madhubani „ | 5.85 | |
| | Sonapatpur „ | 9.47 | |
| BIHAR DIV. | 30 Muzaffarpur „ 26, '90 | 7.82 | Rainfall during five days of the week. Prospects of all crops excellent, but a few days of sunshine now wanted. |
| | Hajipur „ | 4.04 | |
| | Sitamarhi „ | 3.64 | |
| | 31 Saran „ 26, '90 | 3.76 | Weather—continually wet: rain every day. Rice very good. <i>Bhadoi</i> wants some sun. About $\frac{1}{2}$ of <i>rakar</i> sown; remainder of the crop will be sown after some fine weather. |
| BIHAR DIV. | 32 Champarnn „ 26, '90 | 3.84 | Weather—rainy. Heavy rain again last night (24th) and night before. Sky still covered with clouds. Sunshine urgently needed to save <i>cheena</i> , <i>makai</i> , and <i>warua</i> from damage. Paddy transplantation continues, but coming to a close. Indigo manufacture progressing. |
| | Bettiah „ | 6.21 | |
| | 33 Monghyr „ 26, '90 | 3.80 | Weather—cloudy and rainy. <i>Makai</i> and <i>warua</i> doing well, also <i>aghani</i> rice. Transplanting going on. |
| | Bogusrai „ | 1.73 | |
| BIHAR DIV. | Janui „ | 6.45 | |
| | 34 Bhagalpur „ 26, '90 | 2.81 | Weather—rainy with a good deal of cloud. There has been enough rain everywhere for the crops except in the north-east of Soopool, where it is reported scanty. Transplantation is being vigorously pushed on, and standing crops are doing well. Harvesting of <i>cheena</i> and <i>janera</i> commenced, and outturn likely to be good. |
| | Banka „ | 6.12 | |
| | Madhepura „ | 3.89 | |
| BIHAR DIV. | Soopool „ | 3.23 | |
| | 35 Patna „ 26, '90 | 3.16 | Weather—cloudy with showers. Prospects continue favourable, except where floods have done damage in the centre of the district and along the course of the Kusi and Mahanadi. Transplanting going on. A break in the rains would do good. |
| | Kishengunge „ | 3.12 | |
| | Arrah „ | 5.03 | |
| BIHAR DIV. | 36 Malda „ 26, '90 | 2.07 | Weather—cloudy and rainy. Harvesting of <i>bhadoi</i> commenced in thana Ratna and outpost Manickchak. About 2 annas of the crop in the Malda station have been destroyed by inundation. Transplantation of winter rice in progress. Manufacture of indigo is being pushed on vigorously. Common rice selling at from 14 to 16 seers per rupee. |
| | Chunchal „ | 2.48 | |
| | Shibgunge „ | 4.12 | |
| | Gajole „ | 5.67 | |
| BIHAR DIV. | 37 Sonthal Pergba „ 26, '90 | 4.04 | Weather—wet and cloudy. Rain every day, and cultivators are very busy transplanting paddy. <i>Janera</i> coming up well, and all other crop progressing satisfactorily. |
| | Deoghur „ | 6.96 | |
| | Goida „ | 6.66 | |
| | Janpara „ | 5.82 | |
| BIHAR DIV. | Pakour „ | 2.60 | |

| No. | District and date of return. | Rainfall at Sadler Station in inches. | Character of the weather and state and prospects of the crops. |
|------------------------------------|------------------------------|---------------------------------------|---|
| ORISSA. | | | |
| ORISSA DIV. | 38 Cuttack July 26, '90 | 5.48 | Weather—seasonable. Transplanting of <i>sarad</i> and weeding of <i>beati</i> going on. Slight damage of the paddy crop from the rise of the rivers is reported from the Jhalkuri chakla of the Jajpur subdivision. Prospects generally good. |
| | 39 Poonie „ 24, '90 | 2.10 | Weather—seasonable. Puddling and transplanting of <i>sarad</i> crop going on. <i>Beati</i> being weeded. Price of common rice stationary. |
| | 40 Balasore „ 26, '90 | 2.29 | Weather—seasonable. Transplanting and puddling of rice crop continue. Prospects generally good. Number of coolies on relief-works 43. |
| CHOTA NAGPORE. | | | |
| <i>South-West Frontier Agency.</i> | | | |
| CHOTA NAGPORE DIV. | 41 Hazaribagh July 26, '90 | 5.09 | Weather—seasonable. A break in the rains required. Transplanting of rice in progress. Some injury to Indian-corn by heavy and incessant rain, otherwise prospects good. Common rice selling at from 15 to 18 annas per rupee. |
| | 42 Lohardugga „ 26, '90 | 3.39 | Weather—seasonable. Rain daily during the week. Sowing of winter rice crop finished. Transplantation commenced. <i>Bhadai</i> crops doing well. |
| | 43 Palamow (up to 21st July) | 6.95 | |
| | 43 Singhbhum July 26, '90 | 1.88 | Weather—seasonable. Condition of crops very favourable in all parts of the district. Prices of common rice range from 20 to 24 annas per rupee. |
| | 44 Manbhum „ „ | „ „ | Report not received. |

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 29th July, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from
20th to 26th July 1890.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | TEMPERATURE. | | | | HYGROMETRY. | | | | WIND. | | Rain. | WEATHER. |
|--------|-------|-----------------|-------------------------------------|--------------------------------------|--------------|----------|--------|----------|----------------|------------------|------------|-----------|-----------------------|-----------------|---------|--------------------------------|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour pressure. | Dew point. | Humidity. | Prevailing direction. | Miles recorded. | | |
| 1890. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches. | ° | % | | | Inches. | |
| July | 20th | 154.5 | 2.7 | 29.423 | 82.9 | 88.4 | 9.2 | 79.2 | 79.0 | 0.980 | 78.6 | 87 | ENE, E and SE | 144 | 0.56 | Chiefly cloudy, o, g, d, t, p. |
| " | 21st | 161.5 | 1.9 | 420 | 83.4 | 87.5 | 9.1 | 78.4 | 80.4 | 1.000 | 79.2 | 87 | SE by E and S | 81 | 0.01 | Chiefly cloudy, o, d. |
| " | 22nd | 156.4 | 1.6 | 441 | 83.3 | 88.1 | 10.5 | 77.6 | 80.4 | 1.000 | 79.2 | 88 | S and SSE | 75 | 0.31 | Chiefly cloudy, o, p. |
| " | 23rd | 121.3 | Nil | 473 | 81.8 | 84.3 | 7.0 | 77.3 | 79.9 | 0.998 | 79.2 | 92 | SSW and calm | 37 | 1.80 | Cloudy, o, g, d, p. |
| " | 24th | 145.3 | 0.6 | 538 | 81.3 | 84.2 | 7.0 | 77.2 | 78.6 | 942 | 77.4 | 88 | SW and SSW | 151 | 0.10 | Chiefly cloudy, o, p. |
| " | 25th | 149.5 | 0.7 | 538 | 82.7 | 86.7 | 9.3 | 77.4 | 78.6 | 928 | 76.8 | 88 | SW and SSW | 184 | Nil | Chiefly cloudy, o. |
| " | 26th | 143.4 | 0.7 | 537 | 81.6 | 86.7 | 10.4 | 76.3 | 78.4 | 930 | 77.0 | 86 | SW by S, SW and SSW. | 125 | 0.47 | Chiefly cloudy, o, g, d, p, t. |

The mean pressure of the seven days ... 29.481
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.519

The total number of hours of bright sunshine ... 8.2
The maximum possible number of hours of sunshine ... 92.8

The mean temperature of the seven days ... 82.4
The average temperature of the corresponding period for 24 years, S.-G.'s Office ... 83.3
The extreme variation of temperature ... 12.1
The maximum temperature ... 88.4

The highest velocity of the wind in one hour ... 16

The highest pressure of wind on one square foot ... Not measurable.

The mean relative humidity ... 87
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office ... 86

The total fall of rain from 20th to 26th July 1890 ... 2.75
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.92
The total fall from 1st January to 26th July 1890 ... 29.52
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 31.90

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h., 10h., 16h., and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; t, thunder; p, passing temporary showers.

J. H. GILLILAND.

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 28th July 1890.

Meteorological Report of the Province of Bengal

| | | STATION OBSERVATIONS. | | | | | | | | | | | | | | | |
|--------------------|-------------------------|--------------------------------|----------------------------|----------------------|-----------------------|---------------------|----------------------|-----------|------------------------|------------------------|------------------------------|-----------------------------------|---------------------------------|-------------------------------------|--------------|------|--|
| DISTRICT. | Representative station. | AIR PRESSURE. | | | WIND. | | TEMPERATURE. | | | | | | | | | | |
| | | Mean barometric height, 8 A.M. | Mean reduced to sea-level. | Variation from mean. | Prevailing direction. | Mean wind velocity. | Highest during week. | Date. | Lowest during week. | Date. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily temperature of week. | Variation from normal mean of week. | Mean, 8 A.M. | | |
| ORISSA. | Pooree | 29.535 | 29.547 | -.012 | Variable | 41.50 | 93.7 | 10th July | 74.8 | 21st July | 87.4 | 79.4 | 83.4 | 0 | 80.4 | | |
| | Gopalpore | 29.535 | 29.557 | -.022 | SSW | 42.90 | 90.2 | 19th | 74.8 | 20th, 24th & 25th July | 86.1 | 79.7 | 83.9 | 0 | 80.4 | | |
| | Fake Point | 29.516 | 29.537 | -.021 | SW | 29.40 | 90.5 | 19th | 73.6 | 25th | 86.5 | 77.2 | 81.9 | -0.9 | 81.2 | | |
| SOUTH WEST BENGAL. | Cuttack | 29.491 | 29.544 | -.053 | SW | 105.3 | 92.4 | 19th | 75.8 | 24th | 87.8 | 79.2 | 83.0 | -0.9 | 81.2 | | |
| | Balasore | 29.497 | 29.526 | -.029 | SW | 182.2 | 92.4 | 19th | 75.7 | 24th & 25th July | 87.4 | 78.3 | 82.9 | -0.1 | 80.0 | | |
| | South-West Midnapore | Sauror Island | 29.490 | 29.522 | -.032 | SW | 473.1 | 91.2 | 20th | 79.0 | 19th & 22nd July | 88.0 | 80.2 | 84.1 | +0.8 | 82.7 | |
| | South 14-Pergunnah | Midnapore | 29.570 | 29.520 | -.050 | S | 117.6 | 93.3 | 19th | 76.1 | 19th & 24th July | 89.4 | 77.9 | 83.2 | -0.3 | 81.4 | |
| | 14-Pergunnahs | Calcutta | 29.590 | 29.521 | -.069 | Variable | 96.0 | 90.0 | 19th | 77.2 | 23rd to 25th July | 87.3 | 77.0 | 82.6 | -0.7 | 81.7 | |
| | Howrah | Howrah | 29.422 | 29.529 | -.107 | South-easterly | 10.78 | 92.1 | 19th | 78.4 | 19th, 20th, 24th & 25th July | 89.2 | 79.4 | 84.3 | -0.7 | 81.2 | |
| | Hooghly | Hankooa | 29.500 | 29.498 | +.002 | Variable | 94.0 | 89.0 | 20th | 75.0 | 19th | 87.2 | 77.7 | 82.4 | -1.2 | 80.0 | |
| | Burdwan | Burdwan | 29.523 | 29.545 | -.022 | Variable | 71.1 | 90.5 | 20th, 22nd July | 76.8 | 19th | 88.0 | 78.0 | 83.3 | -0.8 | 80.7 | |
| | West Burdwan | Berhampur | 29.451 | 29.523 | -.072 | E | 100.3 | 89.6 | 19th & 20th July | 76.3 | 26th | 87.8 | 77.7 | 82.8 | -1.7 | 81.1 | |
| | Moorshedabad | Krishnachur | 29.473 | 29.521 | -.048 | ESE | 151.6 | 91.8 | 19th | 76.8 | 23rd & 24th July | 89.0 | 78.1 | 83.6 | -0.5 | 81.0 | |
| EAST BENGAL. | Naddea | 29.473 | 29.521 | -.048 | ESE | 151.6 | 91.8 | 19th | 76.8 | 23rd & 24th July | 89.0 | 78.1 | 83.6 | -0.5 | 81.0 | | |
| | Jessore | Jessore | 29.500 | 29.533 | -.033 | ? | | 91.8 | 19th | 78.4 | 21st to 25th July | 89.1 | 79.0 | 84.1 | -0.5 | 82.1 | |
| | Khoulna | Chittagong | 29.525 | 29.515 | +.010 | NE | 153.5 | 87.1 | 20, 22 to 25th July | 73.0 | 23rd to 25th July | 88.8 | 73.4 | 80.1 | -0.9 | 78.1 | |
| | Chittagong Hill Tracts | Jamagiri | 29.557 | 29.560 | -.003 | SE | 119.3 | 87.3 | 22nd July | 77.3 | 23rd | 85.7 | 78.0 | 81.9 | +0.2 | 80.0 | |
| | Backergunge | Barisal | 29.557 | 29.501 | -.056 | SE | 221.7 | 89.5 | 20th | 75.8 | 24th | 84.5 | 77.3 | 80.9 | -0.6 | 80.0 | |
| | Noakhally | Noakhally | 29.557 | 29.501 | -.056 | SE | 221.7 | 89.5 | 20th | 75.8 | 24th | 84.5 | 77.3 | 80.9 | -0.6 | 80.0 | |
| | Furreedpore | Furreedpore | 29.522 | 29.502 | -.020 | SE | 148.9 | 88.0 | 19th | 77.4 | 24th | 86.8 | 79.0 | 82.9 | +0.2 | 81.0 | |
| | Dacca | Dacca | 29.522 | 29.558 | -.036 | Easterly | 263.8 | 89.1 | 19th to 22nd July | 76.7 | 23rd | 87.8 | 77.8 | 83.8 | -1.3 | 80.0 | |
| | Comilla | Comilla | 29.547 | 29.583 | -.036 | South-easterly | 178.9 | 89.0 | 20th | 75.8 | 23rd | 86.6 | 76.7 | 81.7 | -0.9 | 79.0 | |
| | Mymensingh | Mymensingh | 29.510 | 29.568 | -.058 | ESE | 139.9 | 89.2 | 23rd | 76.6 | 24th | 85.6 | 77.5 | 81.5 | -1.7 | 79.0 | |
| NORTH BENGAL. | Hogra | 29.544 | 29.527 | -.017 | ENE | 122.5 | 89.8 | 19th | 77.1 | 24th | 87.9 | 78.1 | 83.0 | -1.0 | 81.0 | | |
| | Punna | Serajunge | 29.499 | 29.548 | -.049 | SSE | 72.3 | 89.6 | 19th, 20th & 21st July | 76.7 | 24th | 87.1 | 78.3 | 82.7 | -1.1 | 80.0 | |
| | Kajshahye | Rampore Manik | 29.450 | 29.521 | -.071 | South-easterly | 129.4 | 89.8 | 20th | 77.0 | 19, 20, 24, 25th July | 87.3 | 78.1 | 82.7 | -1.4 | 80.0 | |
| | Malda | Maidab | 29.440 | 29.526 | -.086 | SE | 74.0 | 91.3 | 19th | 77.3 | 24th | 89.0 | 79.0 | 84.3 | - | 81.0 | |
| | Dinapore | Dinapore | 29.412 | 29.531 | -.119 | E | 67.6 | 90.1 | 20th & 21st July | 78.1 | 24th, 25th July | 88.5 | 79.4 | 84.0 | -0.9 | 81.0 | |
| | Rungpore | Rungpore | 29.437 | 29.561 | -.124 | E | 95.6 | 90.3 | 20th | 77.7 | 23rd & 24th July | 89.1 | 78.4 | 83.8 | -0.9 | 81.0 | |
| | Julpigoree | Julpigoree | 29.570 | 29.550 | -.020 | ? | 99.9 | 89.9 | 20th | 75.1 | 25th | 88.5 | 76.2 | 82.8 | -1.1 | 80.0 | |
| | Cooch Behar | Darjeeling Hill Tracts | 29.506 | - | -.506 | ESE | 70.9 | 88.0 | 20th to 23rd July | 86.7 | 21st | 85.9 | 87.2 | 81.5 | -0.4 | 80.0 | |
| | Darjeeling Hill Tracts | Darjeeling | 29.506 | - | -.506 | ESE | 70.9 | 88.0 | 20th to 23rd July | 86.7 | 21st | 85.9 | 87.2 | 81.5 | -0.4 | 80.0 | |
| | Purneah | Purneah | 29.400 | 29.525 | -.125 | E | 82.3 | 90.7 | 21st | 76.4 | 25th | 89.3 | 78.3 | 83.8 | -1.0 | 80.0 | |
| SOUTH BENGAL. | North Bhagalpore | North Bhagalpore | 29.314 | 29.463 | -.149 | E & ESE | 189.1 | 90.3 | 21st | 77.8 | 19th & 21st July | 87.7 | 79.1 | 83.4 | - | 81.0 | |
| | Morshupore | Morshupore | 29.346 | 29.514 | -.168 | ENE | 109.0 | 91.4 | 21st | 76.8 | 25th | 87.0 | 78.1 | 83.0 | -2.1 | 80.0 | |
| | Durbhanga | Durbhanga | 29.228 | 29.534 | -.306 | ESE & ENE | 319.1 | 91.2 | 21st & 22nd July | 76.9 | 25th | 88.0 | 78.0 | 83.8 | -1.5 | 80.0 | |
| | Chumbaron | Chumbaron | 29.290 | 29.455 | -.165 | E | 212.1 | 90.3 | 21st | 78.0 | 19th | 87.6 | 78.4 | 83.0 | -2.6 | 80.0 | |
| | Baran | Baran | 29.400 | 29.491 | -.091 | Variable | 89.2 | 90.8 | 21st | 76.0 | 19th | 87.1 | 78.2 | 82.7 | -0.4 | 80.0 | |
| | Shahabad | Shahabad | 29.227 | 29.499 | -.272 | ENE | 139.0 | 90.3 | 21st | 76.8 | 19th | 85.7 | 78.1 | 81.9 | -2.8 | 80.0 | |
| | | Baran | 29.280 | 29.484 | -.204 | East | 75.0 | 91.4 | 21st | 71.7 | 24th | 87.7 | 77.1 | 82.4 | -3.3 | 80.0 | |
| | Gya | Gya | 29.125 | 29.500 | -.375 | E | 111.0 | 90.3 | 21st | 77.8 | 24th | 88.3 | 79.3 | 83.8 | -1.4 | 80.0 | |
| | Patna | Patna | 29.315 | 29.490 | -.175 | E | 184.4 | 90.4 | 21st | 77.2 | 24th | 97.4 | 79.4 | 83.4 | -1.9 | 80.0 | |
| | South Bhagalpore | Bhagalpore | 29.843 | 29.504 | -.339 | Variable | 77.7 | 90.2 | 21st | 77.0 | 19th | 88.5 | 78.8 | 83.8 | -1.0 | 80.0 | |
| NORTH INDIA. | South 14-Pergunnah | Boonma | 29.014 | 29.560 | -.546 | E | 100.9 | 90.8 | 20th | 76.6 | 19th | 87.1 | 77.1 | 84.1 | -1.5 | 80.0 | |
| | Hazaribagh | Hazaribagh | 27.524 | 29.532 | -.008 | Westerly | 102.0 | 84.9 | 21st | 71.3 | 25th | 83.1 | 73.0 | 77.6 | -1.3 | 78.0 | |
| | Leharouga | Leharouga | 27.405 | 29.530 | -.125 | Variable | 132.6 | 84.0 | 23rd | 70.0 | 23th | 81.8 | 71.8 | 76.8 | -1.3 | 78.0 | |
| | Manikpore | Manikpore | 27.753 | 29.514 | -.161 | SW | 65.0 | 90.4 | 19, 20, 22 & 23 July | 76.2 | 24th | 88.0 | 77.6 | 82.8 | +0.1 | 79.0 | |
| | Aligarh | Aligarh | 29.259 | 29.524 | -.265 | SE | | 91.1 | 21st | 75.5 | 25th | 88.7 | 78.0 | 82.8 | -1.9 | 79.0 | |
| ASSAM. | Assam | Dhubi | 29.451 | 29.508 | -.057 | Easterly | 118.7 | 89.2 | 21st | 76.3 | 24th | 85.6 | 77.4 | 81.5 | -1.7 | 79.0 | |
| | | Silchar | 29.611 | 29.617 | -.006 | ESE | 51.9 | 93.3 | 24th | 79.3 | 20th | 90.0 | 76.0 | 83.8 | -0.3 | 80.0 | |

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the years 1871 to 1880. The humidity of the atmosphere is expressed as percentage, and is calculated on the basis of the readings during the same period. A clear sky is denoted by c and an overcast sky by o. The numerical means of average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the same period. A rainy day is one on which at least hundredth of an inch fell.

the week ending Friday, the 25th of July 1890.

| | | | | DISTRICT OBSERVATIONS. | | | | | | | | | | | | METEOROLOGICAL DIVISION. |
|-----|--|--|--|------------------------|--------------|------------|----------------------|--------------|------------|-------------------------------|------------------------------|-------------|---------------|-------------------------|--------------------|--------------------------|
| No. | Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | OF WEEK. Mean for district. Normal mean. | RAINFALL. | | | | | | | | | | Representative station. | DISTRICT. | |
| | | | | Since 1st of month. | | | Since 15th May 1890. | | | Average number of rainy days. | Normal number of rainy days. | | | | | |
| | | | | Mean for district. | Normal mean. | Variation. | Mean for district. | Normal mean. | Variation. | | | | | | | |
| 1 | 9.7 | 2.10 | 3.05 | | 10.94 | | | 30.17 | | | 4.0 | Poorce | Poorce | ORISSA. | | |
| 2 | 7.9 | 0.80 | | | | | | | | | | Gopalpore | Gopalpore | | | |
| 3 | 9.7 | 1.61 | | | | | | | | | | False Point | False Point | | | |
| 4 | 9.4 | 3.88 | 4.12 | 2.70 | 12.78 | 10.05 | +2.73 | 25.00 | 21.42 | +3.58 | 5.4 | 4.1 | Cuttack | Cuttack | ORISSA. | |
| 5 | 8.9 | 2.55 | 2.95 | 2.93 | 7.04 | 10.51 | -3.47 | 24.11 | 21.29 | +2.82 | 4.7 | 4.0 | Belasore | Belasore | | |
| 6 | 9.8 | 1.23 | 1.85 | 3.33 | 8.53 | 11.96 | -3.43 | 22.42 | 24.01 | -1.59 | 5.0 | 4.7 | Saugor Island | South-West Midnapore | | |
| 7 | 4.6 | 2.16 | 1.00 | 2.03 | 5.58 | 9.79 | -4.21 | 20.03 | 21.23 | +1.20 | 5.0 | 4.4 | Midnapore | Midnapore | SOUTH-WEST BENGAL. | |
| 8 | 9.4 | 2.35 | 2.62 | 2.94 | 6.67 | 9.31 | -2.64 | 25.36 | 21.70 | +3.66 | 5.3 | 4.8 | Calcutta | 24-Pargunnahs | | |
| 9 | 9.4 | 4.88 | 2.83 | 2.24 | 10.47 | 7.87 | +2.60 | 23.59 | 19.00 | +4.59 | 4.7 | 4.1 | Burdwan | Howrah | | |
| 10 | 6.7 | 7.37 | 4.44 | 2.00 | 10.24 | 9.74 | +0.50 | 23.92 | 21.88 | +2.04 | 5.5 | 4.3 | Bankura | Hooghly | SOUTH-WEST BENGAL. | |
| 11 | 9.4 | 2.23 | 3.84 | 2.71 | 12.96 | 9.46 | +3.50 | 31.96 | 21.52 | +10.44 | 6.5 | 4.6 | Raneegunge | Burdwan | | |
| 12 | 8.3 | 4.04 | 3.79 | 1.93 | 11.07 | 8.48 | +2.59 | 25.30 | 20.70 | +4.60 | 6.0 | 4.0 | Berhampore | West Burdwan | | |
| 13 | 8.4 | 2.81 | 1.82 | 1.88 | 8.48 | 7.70 | +0.78 | 24.47 | 20.94 | +3.53 | 4.6 | 4.1 | Krishnagur | Moorshedabad | SOUTH-WEST BENGAL. | |
| 14 | 9.1 | 2.79 | 2.70 | 2.28 | 8.08 | 8.30 | -0.22 | 27.28 | 24.08 | +3.20 | 5.6 | 5.2 | Jessore | Nuddea | | |
| 15 | 8.7 | 7.73 | 4.85 | 6.47 | 20.59 | 22.78 | +2.19 | 29.39 | 27.70 | +1.69 | 6.5 | 6.3 | Chittagong | Jessore | | |
| 16 | | | 2.82 | | 11.69 | | | 25.40 | | | | 6.1 | Demagiri | Khoolna | SOUTH-WEST BENGAL. | |
| 17 | 9.1 | 5.32 | 5.47 | 3.93 | 14.36 | 13.84 | +0.52 | 36.72 | 30.96 | +5.76 | 5.8 | 5.6 | Barrisal | Chittagong Hill Tracts | | |
| 18 | 4.0 | 6.13 | 7.49 | 4.94 | 18.15 | 17.43 | +0.72 | 45.96 | 49.60 | -3.64 | 6.5 | 6.2 | Noakholly | Backergunge | | |
| 19 | 7.1 | 3.68 | 2.81 | 2.30 | 7.29 | 8.45 | -1.16 | 19.91 | 23.33 | -3.42 | 4.7 | 5.0 | Furzedpore | Noakholly | EAST BENGAL. | |
| 20 | 9.3 | 2.83 | 2.79 | 2.67 | 11.68 | 10.43 | +1.25 | 33.64 | 27.71 | +5.93 | 7.0 | 5.2 | Dacca | Furzedpore | | |
| 21 | 7.6 | 5.21 | 3.34 | 2.54 | 11.34 | 10.11 | +1.23 | 32.23 | 30.80 | +1.43 | 5.5 | 5.4 | Commillab | Dacca | | |
| 22 | 8.4 | 2.13 | 2.28 | 2.68 | 11.43 | 9.99 | +1.44 | 39.61 | 32.44 | +7.17 | 5.4 | 5.2 | Mymensingh | Tipperah | EAST BENGAL. | |
| 23 | 5.1 | 4.08 | 6.32 | 2.26 | 8.75 | 9.78 | -1.03 | 29.47 | 27.28 | +2.19 | 5.8 | 6.8 | Bogra | Mymensingh | | |
| 24 | 5.3 | 3.25 | 3.67 | 1.60 | 7.08 | 7.78 | -0.70 | 23.74 | 22.72 | +1.02 | 7.0 | 4.5 | Beraigunge | Bogra | | |
| 25 | 3.6 | 6.07 | 5.03 | 1.84 | 13.09 | 8.93 | +4.16 | 36.37 | 25.64 | +10.73 | 6.3 | 3.8 | Rampore | Fubna | NORTH BENGAL. | |
| 26 | 5.7 | 2.67 | 2.35 | 1.05 | 6.80 | 7.27 | -0.47 | 20.49 | 23.92 | -3.43 | 5.8 | 4.2 | Maldah | Rajshahye | | |
| 27 | 9.1 | 5.36 | 4.03 | 2.19 | 12.06 | 9.47 | +2.59 | 33.08 | 27.16 | +5.92 | 4.3 | 4.3 | Dinapore | Maldah | | |
| 28 | 4.3 | 1.41 | 2.71 | 2.72 | 8.63 | 11.21 | -2.58 | 40.30 | 40.14 | +0.16 | 5.3 | 4.3 | Rangpore | Dinapore | NORTH BENGAL. | |
| 29 | 2.0 | 7.53 | 5.20 | 4.50 | 24.20 | 17.19 | +7.01 | 71.87 | 57.03 | +14.84 | 5.6 | 5.7 | Julpigoree | Rangpore | | |
| 30 | 9.4 | 10.20 | 9.23 | 5.81 | 43.56 | 27.11 | +16.45 | 90.39 | 63.17 | +27.22 | 7.0 | 6.0 | Darjeeling | Julpigoree | | |
| 31 | 9.0 | 5.12 | 4.17 | 2.73 | 17.10 | 10.34 | +6.76 | 35.52 | 25.41 | +10.11 | 5.4 | 4.9 | Purneah | Cooch Behar | NORTH BENGAL. | |
| 32 | 5.7 | 14.19 | 4.42 | 2.08 | 12.47 | 9.06 | +3.41 | 23.61 | 17.80 | +5.81 | 4.3 | 3.3 | Mosufferpore | Darjeeling Hill Tracts | | |
| 33 | 7.7 | 4.74 | 4.87 | 2.27 | 15.46 | 9.11 | +6.35 | 27.52 | 18.49 | +9.03 | 4.3 | 3.6 | Durbhunga | Purneah | | |
| 34 | 0.9 | 8.95 | 5.03 | 2.03 | 15.22 | 9.50 | +5.72 | 31.59 | 19.54 | +12.05 | 4.5 | 3.1 | Motihari | North Bhagulpore | NORTH BENGAL. | |
| 35 | 5.3 | 2.63 | 2.05 | 1.96 | 9.22 | 9.63 | -0.41 | 21.42 | 16.63 | +4.79 | 5.3 | 3.8 | Ohupra | Chumpanan | | |
| 36 | 7.7 | 7.45 | | | | | | | | | | | Dohree | Saran | | |
| 37 | 9.0 | 4.93 | 7.28 | 2.35 | 13.07 | 8.40 | +4.67 | 24.89 | 14.26 | +10.63 | 6.3 | 4.0 | Buxar | Shahabad | SOUTH BENGAL. | |
| 38 | 9.1 | 15.30 | | | | | | | | | | | Arrah | | | |
| 39 | 8.0 | 4.44 | 4.50 | 2.23 | 14.47 | 8.51 | +5.96 | 28.67 | 15.83 | +12.84 | 5.3 | 4.1 | Gya | Gya | | |
| 40 | 10.0 | 2.22 | 2.86 | 2.22 | 9.03 | 8.73 | +0.30 | 16.62 | 16.41 | +0.21 | 5.5 | 4.3 | Bankipore | Patna | SOUTH BENGAL. | |
| 41 | 9.0 | 3.90 | 4.85 | 2.36 | 10.61 | 8.26 | +2.35 | 23.42 | 15.98 | +7.44 | 6.4 | 4.2 | Bhagulpore | South Bhagulpore | | |
| 42 | 4.7 | 4.01 | 5.74 | 2.51 | 11.76 | 9.62 | +2.14 | 29.73 | 21.04 | +8.69 | 6.3 | 4.4 | Doomka | Monkhyr | | |
| 43 | 10.0 | 7.69 | 5.73 | 2.88 | 13.96 | 10.24 | +3.72 | 26.36 | 19.87 | +6.49 | 6.8 | 9.0 | Hasaribagh | South Pargunnahs | CHITTA NAGPUR. | |
| 44 | 10.0 | 3.68 | 6.56 | 2.00 | 11.03 | 9.07 | +1.96 | 20.20 | 18.00 | +2.20 | 6.3 | 5.0 | Ranchi | Hasaribagh | | |
| 45 | | 2.90 | 2.40 | 8.36 | | 9.07 | -0.71 | 22.12 | 16.39 | +5.73 | 6.5 | 5.1 | | Lohardugga | | |
| 46 | 8.7 | 1.02 | 2.88 | 5.59 | 7.04 | 10.89 | -3.85 | 19.17 | 21.78 | -2.61 | 6.0 | 4.9 | Chyebassa | Mantbhoom | ASSAM. | |
| 47 | 4.00 | | | | | | | | | | | | Sibesar | | | |
| 48 | 9.3 | 3.30 | | | | | | | | | | | Dhubri | Assam | | |
| 49 | 9.6 | 3.48 | | | | | | | | | | | Silchar | Assam | | |

Notes. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 The average cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional stations.

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 25th of July 1890.

| Meteorological division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain- fall since 1st of month. | Average total rain- fall from 1st of month. | Total rain- fall since 1st of May. | Average rainfall from 1st May to date. |
|-----------------------------|-----------------|------------------------|----------------------------|--------------------------|--------------------------|---------------------------|-----------------------------|----------------------------|--------------------------|-----------------------|-------------------------|---|---|--|--|
| | | | Saturday, 19th July. | Sunday, 20th July. | Monday, 21st July. | Tuesday, 22nd July. | Wednesday, 23rd July. | Thursday, 24th July. | Friday, 25th July. | Number rainy days. | of Rainfall week. | | | | |
| OCEANIC | Pooree | Pooree | 0.36 | 1.60 | 0.06 | 0.01 | 0.05 | 0.17 | 0.09 | 6 | 2.45 | 15.47 | 8.71 | 24.00 | 19.11 |
| | | Khurdah | 0.39 | 1.63 | 0.31 | 0.31 | 0.05 | 0.20 | 1.14 | 6 | 0.02 | 20.38 | 10.83 | 30.43 | 23.73 |
| | | Bampur | 1.05 | 0.70 | 0.15 | 1.15 | 0.40 | 0.03 | 0.08 | 6 | 1.61 | 10.18 | 11.76 | 22.89 | 23.12 |
| | | False Point | 0.14 | 0.70 | 0.15 | 0.00 | 0.03 | 0.08 | 0.42 | 6 | 1.61 | 10.18 | 11.76 | 22.89 | 23.12 |
| | | Gop | 0.14 | 0.70 | 0.15 | 0.00 | 0.03 | 0.08 | 0.42 | 6 | 1.61 | 10.18 | 11.76 | 22.89 | 23.12 |
| | Cuttack | Satpara | 0.14 | 0.70 | 0.15 | 0.00 | 0.03 | 0.08 | 0.42 | 6 | 1.61 | 10.18 | 11.76 | 22.89 | 23.12 |
| | | Pipli | 0.14 | 0.70 | 0.15 | 0.00 | 0.03 | 0.08 | 0.42 | 6 | 1.61 | 10.18 | 11.76 | 22.89 | 23.12 |
| | | Jagatsinghpore | 2.14 | 0.04 | 0.00 | 0.04 | 0.07 | 1.30 | 0.00 | 4 | 4.05 | 19.40 | 8.38 | 23.88 | 17.91 |
| | | Banki | 0.39 | 1.10 | 0.00 | 0.04 | 0.07 | 1.43 | 0.00 | 5 | 3.14 | 12.97 | 10.18 | 27.03 | 20.73 |
| | | Cuttack | 1.03 | 2.40 | 0.00 | 0.40 | 0.35 | 1.30 | 0.03 | 6 | 7.11 | 17.47 | 10.83 | 33.03 | 23.12 |
| OCEANIC | Balasore | Kendrapara | 0.10 | 0.00 | 0.00 | 0.02 | 0.48 | 1.43 | 0.38 | 7 | 2.75 | 9.05 | 10.15 | 17.98 | 20.73 |
| | | Jajpore | 0.23 | 0.20 | 0.00 | 0.02 | 0.48 | 0.00 | 1.06 | 6 | 3.53 | 10.30 | 10.44 | 24.94 | 23.12 |
| | | Dharmasala | 0.20 | 0.00 | 0.12 | 1.00 | 0.17 | 0.03 | 0.00 | 5 | 3.74 | 9.81 | 10.44 | 24.94 | 23.12 |
| | | Satipore | 1.44 | 0.00 | 0.00 | 0.10 | 1.03 | 0.33 | 0.00 | 5 | 3.74 | 9.81 | 10.44 | 24.94 | 23.12 |
| | | Chandball | 0.23 | 0.25 | 0.02 | 0.00 | 0.25 | 4.10 | 0.45 | 6 | 5.30 | 10.32 | 9.47 | 22.87 | 19.11 |
| | Midnapore | Bhuddruck | 0.03 | 0.20 | 0.00 | 0.40 | 0.00 | 0.00 | 0.75 | 4 | 2.24 | 7.13 | 9.11 | 25.54 | 21.12 |
| | | Sorah | 0.14 | 0.31 | 1.30 | 0.40 | 1.20 | 0.00 | 0.40 | 3 | 2.60 | 6.10 | 9.50 | 22.24 | 19.11 |
| | | Balasore | 0.14 | 0.31 | 1.30 | 0.40 | 1.20 | 0.00 | 0.40 | 3 | 2.60 | 6.10 | 9.50 | 22.24 | 19.11 |
| | | Jelluore | 0.02 | 0.10 | 0.10 | 0.72 | 0.15 | 0.02 | 0.15 | 3 | 2.40 | 5.70 | 12.04 | 23.75 | 21.12 |
| | | Raripodah | 0.02 | 0.10 | 0.10 | 0.72 | 0.15 | 0.02 | 0.15 | 7 | 3.26 | 6.08 | 10.04 | 24.23 | 23.12 |
| OCEANIC | Diamond Harbour | Contal | 0.05 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | 0.08 | 4 | 0.38 | 3.50 | 11.71 | 23.20 | 23.12 |
| | | Saugor Island | 0.00 | 0.26 | 0.47 | 0.44 | 0.19 | 0.19 | 0.00 | 4 | 1.25 | 7.93 | 12.02 | 27.31 | 23.12 |
| | | Tinlok | 0.00 | 0.50 | 0.30 | 0.10 | 0.20 | 0.30 | 0.00 | 5 | 1.70 | 5.30 | 9.85 | 27.40 | 23.12 |
| | | Midnapore | 0.45 | 0.01 | 0.40 | 0.33 | 0.25 | 0.00 | 0.00 | 5 | 2.24 | 6.30 | 9.50 | 24.20 | 23.12 |
| | | Ghatal | 0.20 | 0.12 | 0.11 | 0.71 | 1.77 | 0.00 | 0.00 | 5 | 2.87 | 7.08 | 10.01 | 24.04 | 23.12 |
| | Barrackpore | Kutubhaty | 0.33 | 0.40 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 4 | 1.79 | 4.70 | 10.01 | 14.87 | 23.12 |
| | | Gurbetta | 2.05 | 0.48 | 0.00 | 0.24 | 0.19 | 0.64 | 0.00 | 5 | 3.00 | 6.39 | 10.01 | 21.00 | 23.12 |
| | | Diamond Harbour | 0.00 | 0.14 | 0.20 | 1.12 | 0.04 | 0.02 | 0.15 | 7 | 2.41 | 5.15 | 11.02 | 20.32 | 23.12 |
| | | Canning Town | 0.18 | 0.18 | 0.35 | 1.35 | 1.47 | 0.13 | 0.13 | 5 | 3.51 | 8.40 | 10.01 | 20.74 | 23.12 |
| | | Alipore Jail | 0.04 | 0.03 | 0.00 | 0.31 | 1.45 | 0.24 | 0.00 | 6 | 2.75 | 9.43 | 10.17 | 27.65 | 23.12 |
| OCEANIC | Howrah | Barrackpore | 0.06 | 0.45 | 0.05 | 0.07 | 0.08 | 0.73 | 0.00 | 6 | 1.04 | 0.07 | 8.81 | 22.87 | 23.12 |
| | | Hum-Dum | 0.00 | 0.28 | 0.71 | 0.07 | 1.19 | 0.00 | 0.00 | 4 | 2.02 | 8.74 | 8.84 | 22.10 | 23.12 |
| | | Baramat | 0.48 | 0.30 | 0.30 | 0.57 | 0.28 | 0.00 | 0.00 | 4 | 1.63 | 5.21 | 8.82 | 22.40 | 23.12 |
| | | Busserhat | 0.08 | 0.00 | 0.01 | 0.00 | 2.40 | 1.75 | 0.03 | 5 | 4.90 | 9.31 | 9.44 | 30.21 | 23.12 |
| | | Howrah | 0.02 | 0.24 | 0.70 | 0.11 | 0.83 | 0.36 | 0.00 | 5 | 2.21 | 7.51 | 9.50 | 23.06 | 23.12 |
| | Hooghly | Moheswara (Oolobersha) | 0.02 | 0.24 | 0.10 | 0.02 | 0.50 | 0.00 | 0.00 | 5 | 0.58 | 3.43 | 10.48 | 33.90 | 23.12 |
| | | Hooghly | 0.07 | 0.03 | 0.08 | 0.02 | 0.10 | 1.05 | 0.00 | 6 | 2.15 | 5.98 | 9.20 | 22.83 | 23.12 |
| | | Hooghly | 0.05 | 0.03 | 0.01 | 0.19 | 1.54 | 0.10 | 0.00 | 6 | 2.11 | 4.81 | 8.86 | 24.27 | 23.12 |
| | | Johanabad | 0.55 | 0.76 | 0.05 | 0.20 | 1.40 | 1.23 | 0.00 | 6 | 4.25 | 7.04 | 9.04 | 28.73 | 23.12 |
| | | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| OCEANIC | Burdwan | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| | | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| | | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| | | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| | | Culina | 1.35 | 0.15 | 0.14 | 0.14 | 0.27 | 3.80 | 0.03 | 7 | 5.88 | 14.77 | 7.02 | 20.60 | 23.12 |
| | Bankura | Bankura | 0.25 | 0.85 | 0.06 | 0.07 | 0.00 | 0.05 | 0.00 | 5 | 7.28 | 13.89 | 9.17 | 30.06 | 23.12 |
| | | Bishenpore | 0.73 | 0.84 | 0.13 | 0.00 | 0.00 | 0.07 | 0.00 | 6 | 2.51 | 6.53 | 8.83 | 24.67 | 23.12 |
| | | Mahara | 0.83 | 0.20 | 1.20 | 0.03 | 0.29 | 0.05 | 0.00 | 6 | 3.01 | 12.98 | 8.83 | 30.42 | 23.12 |
| | | Khatra | 0.48 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | | Indra | 0.07 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| OCEANIC | Kolkata | Kolkata | 0.28 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | | Kolkata | 0.28 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | | Kolkata | 0.28 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | | Kolkata | 0.28 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | | Kolkata | 0.28 | 0.38 | 0.30 | 0.03 | 0.42 | 1.78 | 0.00 | 6 | 4.74 | 7.23 | 11.20 | 19.10 | 23.12 |
| | Gangajalhati | Gangajalhati | 1.41 | 0.20 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 4 | 2.74 | 13.00 | 10.00 | 24.81 | 23.12 |
| | | Kaipore | 0.06 | 0.16 | 0.45 | 0.12 | 0.15 | 1.25 | 0.00 | 6 | 3.60 | 10.20 | 10.20 | 26.06 | 23.12 |
| | | Sonamukhi | 0.09 | 1.12 | 0.42 | 0.20 | 0.20 | 0.70 | 0.00 | 6 | 3.41 | 14.23 | 10.20 | 30.94 | 23.12 |
| | | Bh. Soory | 2.31 | 0.06 | 1.40 | 0.00 | 0.11 | 0.16 | 0.40 | 7 | 5.58 | 17.31 | 8.38 | 24.79 | 23.12 |
| | | Retanpore | 0.08 | 0.70 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 7 | 3.05 | 10.09 | 11.04 | 20.64 | 23.12 |
| OCEANIC | Nasirabad | Rampore Hani | 2.30 | 1.15 | 0.00 | 0.00 | 0.25 | 0.05 | 0.15 | 5 | 4.50 | 12.50 | 7.00 | 31.76 | 23.12 |
| | | Bolpore | 2.70 | 0.00 | 0.31 | 0.00 | 1.00 | 0.05 | 0.00 | 6 | 3.70 | 10.24 | 10.24 | 20.50 | 23.12 |
| | | Murari | 0.00 | 1.15 | 0.00 | 1.00 | 1.20 | 0.40 | 0.20 | 6 | 4.01 | 15.17 | 10.24 | 27.21 | 23.12 |
| | | Ranaghat | 0.48 | 0.00 | 0.30 | 0.00 | 0.14 | 0.05 | 0.00 | 5 | 1.77 | 8.22 | 7.84 | 26.07 | 23.12 |
| | | Kishinagar | 1.00 | 0.00 | 0.00 | 0.02 | 0.55 | 0.04 | 0.00 | 5 | 1.33 | 9.52 | 7.47 | 20.00 | 23.12 |
| | Khoolna | Khoolna | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 1.21 | 7.07 | 7.84 | 20.61 | 23.12 |
| | | Khoolna | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 1.21 | 7.07 | 7.84 | 20.61 | 23.12 |
| | | Khoolna | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 1.21 | 7.07 | 7.84 | 20.61 | 23.12 |
| | | Khoolna | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 1.21 | 7.07 | 7.84 | 20.61 | 23.12 |
| | | Khoolna | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 1.21 | 7.07 | 7.84 | 20.61 | 23.12 |
| OCEANIC | Jessore | Narail | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5 | 0.78 | 5.16 | 0.67 | 20.44 | 23.12 |
| | | Jessore | 0.00 | 0.83 | 0.04 | 0.04 | 0.04 | 0.70 | 0.04 | 6 | 2.70 | 7.27 | 8.03 | 20.23 | 23.12 |
| | | Jhenidah | 0.00 | 0.72 | 0.35 | 1.18 | 0.44 | 0.03 | 0.00 | 6 | 2.27 | 10.17 | 7.48 | 23.14 | 23.12 |
| | | Magorah | 0.11 | 0.20 | 0.17 | 0.08 | 0.31 | 0.30 | 0.00 | 6 | 1.17 | 5.92 | 7.84 | 22.82 | 23.12 |
| | | Bongong | 0.00 | 0.55 | 0.40 | 0.15 | 1.00 | 0.15 | 0.00 | 6 | 2.25 | 7.44 | 8.11 | 22.66 | 23.12 |
| | Moorshedabad | Kandi | 0.00 | 0.21 | 0.10 | 0.00 | 0.17 | 0.70 | 0.70 | 6 | 2.80 | 10.24 | 9.05 | 24.36 | 23.12 |
| | | Bachampore | 0.10 | 0.13 | 0.27 | 0.01 | 0.15 | 2.08 | 1.21 | 7 | 4.04 | 9.40 | 8.22 | 20.76 | 23.12 |
| | | Lalbagh | 0.25 | 0.10 | 0.00 | 0.00 | 0.54 | 2.08 | 1.90 | 6 | 5.50 | 14.70 | 7.86 | 27.10 | 23.12 |
| | | Azamgung | 0.07 | 0.45 | 0.20 | 0.30 | 0.00 | 1.90 | 1.00 | 6 | 4.23 | 11.11 | 7.75 | 20.14 | 23.12 |
| OCEANIC | Chittagong | Jamkapore | 0.00 | 0.58 | 0.35 | 0.45 | 0.42 | 0.72 | 0.38 | 7 | 3.29 | 8.37 | 8.43 | 21.35 | 23.12 |
| | | | | | | | | | | | | | | | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 25th of July 1890—contd.

| Meteorological Division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 15th May. | Average rainfall from 15th May to date. |
|--------------------------|-------------------|-------------------|----------------------|--------------------|--------------------|---------------------|-----------------------|----------------------|--------------------|-----------------------|-------------------|-------------------------------------|--|---------------------------------|---|
| | | | Saturday, 19th July. | Sunday, 20th July. | Monday, 21st July. | Tuesday, 22nd July. | Wednesday, 23rd July. | Thursday, 24th July. | Friday, 25th July. | Number of rainy days. | of Rainfall week. | | | | |
| EAST BENGAL—contd. | Gournadhi Bosphor | Gournadhi Bosphor | 0.07 | 0.11 | 0.35 | 1.28 | 0.35 | 0.48 | 0.30 | 7 | 2.04 | 0.11 | 8.79 | 28.95 | 0.11 |
| | | Naakholly | 0.20 | 0.21 | 0.08 | 1.42 | 1.71 | 1.71 | 0.06 | 7 | 6.07 | 16.97 | 17.50 | 41.05 | 48.91 |
| | | Fenny | 0.20 | 0.21 | 0.08 | 1.42 | 1.71 | 1.71 | 0.06 | 7 | 6.07 | 16.97 | 17.50 | 41.05 | 48.91 |
| | | Harishpore | 0.20 | 0.21 | 0.08 | 1.42 | 1.71 | 1.71 | 0.06 | 7 | 6.07 | 16.97 | 17.50 | 41.05 | 48.91 |
| | Furzedpore | Bangany | 0.06 | 0.10 | 0.40 | 1.13 | 1.03 | 0.80 | 0.10 | 7 | 4.59 | 17.01 | 17.50 | 41.05 | 48.91 |
| | | Madaripore | 0.23 | 0.54 | 0.05 | 1.27 | 1.02 | 0.26 | 0.13 | 6 | 3.26 | 7.25 | 8.79 | 18.75 | 30.33 |
| | | Furzedpore | 0.23 | 0.54 | 0.05 | 1.27 | 1.02 | 0.26 | 0.13 | 6 | 3.26 | 7.25 | 8.79 | 18.75 | 30.33 |
| | | Gomlunde | 0.23 | 0.54 | 0.05 | 1.27 | 1.02 | 0.26 | 0.13 | 6 | 3.26 | 7.25 | 8.79 | 18.75 | 30.33 |
| | Dacca | Munshikunge | 0.10 | 0.10 | 0.04 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 2.58 | 11.44 | 11.91 | 30.07 | 31.73 |
| | | Dacca | 0.40 | 0.25 | 0.15 | 0.54 | 0.65 | 0.08 | 0.33 | 7 | 2.40 | 13.24 | 9.71 | 32.74 | 27.38 |
| | | Narainkunge | 1.04 | 0.11 | 0.12 | 0.29 | 0.81 | 0.40 | 0.08 | 7 | 3.08 | 13.56 | 11.87 | 30.45 | 29.10 |
| | | Manikgunge | 0.05 | 0.09 | 0.30 | 0.45 | 0.04 | 2.06 | 0.18 | 7 | 3.13 | 8.89 | 8.43 | 30.20 | 24.70 |
| | Hill Tipperah | Jogdhpore | 0.23 | 0.03 | 0.13 | 0.15 | 1.45 | 0.20 | 1.10 | 7 | 3.28 | 10.43 | ? | 33.35 | ? |
| | | Amarola | 0.25 | 0.32 | 0.04 | 0.80 | 0.57 | 0.08 | 0.42 | 8 | 2.60 | 10.32 | 0.39 | 33.08 | 27.15 |
| | | Comilla | 0.14 | 0.38 | 0.01 | 0.20 | 0.30 | 0.33 | 0.44 | 5 | 1.62 | 6.17 | 9.21 | 34.30 | 35.17 |
| | | Chandipore | 0.50 | 0.03 | 0.03 | 0.63 | 0.50 | 0.80 | 0.16 | 7 | 2.80 | 10.12 | 18.03 | 31.70 | 32.97 |
| | Mymensingh | Brachmanheria | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? |
| | | Ramchandrapore | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? |
| | | Nasirnagar | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? |
| | | Dandkandi | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? |
| Kutub | Kutub | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? | |
| | Kutub | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? | |
| | Kutub | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? | |
| | Kutub | 0.08 | 0.08 | 0.05 | 0.70 | 0.80 | 0.44 | 0.27 | 7 | 3.01 | 10.30 | ? | 34.74 | ? | |
| Mymensingh | Kishoreganj | 0.14 | 0.38 | 0.01 | 0.20 | 0.30 | 0.33 | 0.44 | 5 | 1.62 | 6.17 | 9.21 | 34.30 | 35.17 | |
| | Atia (Tangail) | 0.14 | 0.38 | 0.01 | 0.20 | 0.30 | 0.33 | 0.44 | 5 | 1.62 | 6.17 | 9.21 | 34.30 | 35.17 | |
| | Mymensingh | 0.14 | 0.38 | 0.01 | 0.20 | 0.30 | 0.33 | 0.44 | 5 | 1.62 | 6.17 | 9.21 | 34.30 | 35.17 | |
| | Jamulpore | 0.06 | 0.32 | 0.07 | 0.18 | 0.21 | 0.02 | 1.60 | 6 | 2.47 | 18.37 | 12.21 | 30.95 | 30.01 | |
| Sherepore | Sherepore | 0.07 | 0.37 | 0.52 | 0.53 | 1.81 | 1.41 | 0.15 | 6 | 6.72 | 22.12 | ? | 61.93 | ? | |
| | Sherepore | 0.07 | 0.37 | 0.52 | 0.53 | 1.81 | 1.41 | 0.15 | 6 | 6.72 | 22.12 | ? | 61.93 | ? | |
| | Sherepore | 0.07 | 0.37 | 0.52 | 0.53 | 1.81 | 1.41 | 0.15 | 6 | 6.72 | 22.12 | ? | 61.93 | ? | |
| | Sherepore | 0.07 | 0.37 | 0.52 | 0.53 | 1.81 | 1.41 | 0.15 | 6 | 6.72 | 22.12 | ? | 61.93 | ? | |
| Pabna | Pabna | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Pabna | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Pabna | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Pabna | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Rajshahi | Rajshahi | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rajshahi | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rajshahi | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rajshahi | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Malda | Malda | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Malda | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Malda | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Malda | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Jalpaiguri | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Dumka | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Rangpur | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Jalpaiguri | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Dumka | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Rangpur | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Jalpaiguri | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Dumka | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Dumka | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Rangpur | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| | Rangpur | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | 21.00 | |
| Jalpaiguri | Jalpaiguri | 0.20 | 0.21 | 0.08 | 0.37 | 0.71 | 0.53 | 0.15 | 7 | 3.06 | 7.00 | 7.43 | 21.44 | | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 25th of July 1890—concl.

| Meteorological Division. | District. | Station. | RAINFALL. | | | | | | | TOTAL. | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 1st of May 1890. | Average rainfall from 1st of May to date. |
|--------------------------|--------------------|-------------------|----------------------|--------------------|--------------------|---------------------|-----------------------|----------------------|--------------------|-----------------------|-------------------|-------------------------------------|--|--|---|
| | | | Saturday, 19th July. | Sunday, 20th July. | Monday, 21st July. | Tuesday, 22nd July. | Wednesday, 23rd July. | Thursday, 24th July. | Friday, 25th July. | Number of rainy days. | of Rainfall week. | | | | |
| NORTH BENGAL—concluded. | Chumpra... | Motihari ... | 0.00 | ..... | 0.08 | ..... | ..... | ..... | 2.88 | 3 | 8.84 | 14.88 | 8.08 | 31.84 | 17.94 |
| | | Katiah ... | 1.80 | ..... | 0.24 | 0.03 | 0.20 | 0.32 | 2.53 | 6 | 6.21 | 15.55 | 10.32 | 30.29 | 20.05 |
| | | Begula ... | 0.52 | ..... | ..... | 0.02 | 0.15 | 1.02 | 0.21 | 6 | 1.93 | 15.42 | ? | 32.70 | ? |
| SOUTH BENGAL | Saran ... | Burkha ... | 0.31 | ..... | ..... | ..... | 0.59 | 0.10 | 2.34 | 4 | 8.37 | 8.45 | ? | 24.50 | ? |
| | | Gopalgunge ... | 0.15 | ..... | ..... | ..... | 0.40 | ..... | 1.74 | 3 | 2.39 | 8.45 | 0.34 | 16.75 | 16.04 |
| | | Chuprah ... | 0.48 | 0.20 | ..... | 0.51 | 1.81 | 0.40 | 1.51 | 6 | 4.91 | 11.62 | 8.44 | 28.82 | 16.82 |
| | Shahabad | Muzar ... | 0.30 | 0.42 | 0.13 | 0.03 | 0.04 | 0.40 | 1.55 | 7 | 3.76 | 9.63 | 0.16 | 21.70 | 16.16 |
| | | Bheer ... | 0.84 | 0.08 | 0.03 | ..... | 1.30 | 0.00 | 0.15 | 6 | 3.30 | 12.54 | 5.17 | 23.41 | 13.77 |
| | | Bhaboah ... | 2.00 | 0.04 | ..... | 1.70 | 0.40 | 1.20 | 0.91 | 7 | 7.45 | 10.31 | 8.35 | 20.63 | 13.22 |
| | | Bhaboah ... | 0.40 | ..... | 0.30 | 1.40 | 0.80 | 0.40 | 0.15 | 6 | 3.45 | 10.30 | 0.37 | 20.04 | 15.23 |
| | | Bhaboah ... | 3.32 | 0.45 | ..... | 0.75 | 1.10 | 1.80 | 0.25 | 6 | 7.07 | 11.36 | 8.00 | 21.58 | 13.84 |
| | Gya | Arrah ... | 0.45 | 7.10 | 0.00 | ..... | 0.05 | 4.50 | 2.35 | 6 | 14.54 | 25.37 | 8.15 | 34.75 | 16.27 |
| | | Mohamud ... | ..... | ..... | ..... | 2.00 | 1.10 | ..... | ..... | 2 | 3.10 | 8.01 | ? | 15.01 | ? |
| | | Aurangabad ... | 1.41 | ..... | ..... | 0.53 | 1.00 | 1.27 | 0.05 | 5 | 4.25 | 11.71 | 8.73 | 21.79 | 15.85 |
| | | Gya ... | 0.17 | ..... | 0.11 | 0.00 | 2.08 | 1.04 | 1.08 | 6 | 5.44 | 17.08 | 8.59 | 29.14 | 16.16 |
| | | Nawadah ... | 0.63 | 0.12 | 0.05 | 1.15 | 0.31 | 0.21 | ..... | 6 | 2.34 | 13.82 | 8.04 | 31.62 | 14.00 |
| | Patna | Jehanabad ... | 0.00 | 0.15 | 1.08 | ..... | 1.11 | 1.41 | 0.02 | 6 | 6.07 | 14.35 | 8.06 | 31.76 | 16.06 |
| | | Arwal ... | ..... | 3.30 | ..... | ..... | ..... | ..... | 2.30 | 2 | 5.80 | ..... | ? | ? | ? |
| | | Sherrghat ... | 0.10 | ..... | 0.80 | 0.80 | 0.25 | 0.85 | 0.10 | 6 | 2.50 | 7.86 | ? | 11.89 | ? |
| | | Sherrghat ... | 1.82 | ..... | ..... | ..... | 0.05 | ..... | 0.05 | 3 | 2.02 | 6.84 | ? | 13.03 | ? |
| | | Rajauli ... | 1.65 | 0.74 | 0.65 | 0.23 | 0.27 | 1.40 | 0.80 | 7 | 5.28 | 10.84 | ? | 23.85 | ? |
| CHUTIA NAG-PUR. | Monghyr ... | Pakri Barawan ... | 0.25 | 0.70 | 0.15 | ..... | ..... | 0.80 | 0.30 | 5 | 2.90 | 10.25 | ? | 29.73 | ? |
| | | Patna ... | 0.02 | 0.60 | ..... | ..... | 0.35 | 0.27 | 0.08 | 3 | 2.22 | 9.08 | 8.61 | 19.25 | 17.00 |
| | | Imbipore ... | 0.00 | 0.05 | 0.00 | 0.23 | 0.38 | 1.10 | 0.70 | 7 | 3.40 | 9.23 | 8.73 | 18.81 | 16.40 |
| | | Bihar ... | 0.74 | 0.11 | 0.16 | ..... | 0.06 | 1.03 | 0.60 | 6 | 3.81 | 9.31 | 8.52 | 21.62 | 16.46 |
| | | Bihar ... | ..... | 0.04 | 0.30 | 0.30 | 0.30 | 0.80 | 0.60 | 4 | 2.80 | 7.29 | 0.03 | 15.24 | 10.54 |
| | South Bhagal-pore | Bickram ... | 0.04 | 0.04 | 0.30 | ..... | 1.05 | 3.11 | 0.85 | 6 | 6.99 | 10.77 | ? | 23.07 | ? |
| | | Hilse ... | 0.66 | 0.50 | 0.45 | ..... | 0.18 | 0.70 | 0.22 | 6 | 2.74 | 11.02 | ? | 27.09 | ? |
| | | Begowah ... | 0.12 | 0.02 | 0.12 | 0.05 | 0.13 | 1.23 | 3.40 | 7 | 4.13 | 7.43 | 7.67 | 18.04 | 15.16 |
| | | Monahy ... | 0.53 | ..... | ..... | 0.00 | 0.15 | 2.00 | 0.52 | 6 | 3.80 | 10.43 | 8.04 | 27.53 | 16.00 |
| | | Jamui ... | 0.73 | 0.32 | 0.64 | 0.10 | 1.20 | 6.56 | 1.50 | 7 | 5.12 | 13.81 | 8.06 | 33.62 | 17.37 |
| | South Per-gunnahs. | Gingri ... | ..... | ..... | ..... | ..... | 2.43 | 0.00 | 2.40 | 3 | 6.68 | 16.12 | ? | 31.47 | ? |
| | | Shikpore ... | 1.50 | ..... | ..... | ..... | 0.85 | ..... | ..... | 2 | 2.13 | 6.13 | ? | 21.32 | ? |
| | | Bhagulpore ... | 1.13 | ..... | 0.00 | 0.01 | 1.59 | 0.80 | 0.00 | 6 | 3.94 | 12.40 | 7.84 | 28.60 | 17.10 |
| | | Bhagulpore ... | 1.57 | 0.11 | 0.65 | 1.50 | 0.76 | 0.59 | 0.07 | 7 | 6.75 | 8.92 | 7.88 | 21.40 | 17.47 |
| | | K. g. ng ... | 0.13 | 0.70 | ..... | 0.10 | 0.30 | ..... | 0.40 | 5 | 1.02 | 10.85 | ? | 23.08 | ? |
| | Hazaribagh ... | Bangson ... | ..... | ..... | ..... | ..... | ..... | 2.00 | 4.12 | 2 | 6.18 | 12.32 | ? | 25.81 | ? |
| | | Rajmahal ... | ..... | 0.45 | 0.14 | 0.53 | ..... | 0.29 | 0.18 | 5 | 1.87 | 7.23 | 9.00 | 23.32 | 23.32 |
| | | Godda ... | 0.05 | ..... | 0.50 | 1.70 | 0.60 | 0.20 | 0.65 | 6 | 4.60 | 18.43 | 7.48 | 27.41 | 17.15 |
| | | Pasour ... | 0.13 | 0.09 | 0.08 | 0.07 | 0.04 | 1.56 | 0.25 | 7 | 2.00 | 10.79 | 9.07 | 26.78 | 23.51 |
| | | Nya Duomka ... | 0.20 | 0.15 | 0.45 | 0.00 | 0.23 | 0.07 | 2.04 | 7 | 4.04 | 14.93 | 9.17 | 31.89 | 21.50 |
| CHUTIA NAG-PUR. | Lohardugga ... | Deognur ... | 1.82 | 0.00 | 0.13 | 1.42 | 0.06 | 0.19 | 0.53 | 7 | 4.54 | 10.82 | 9.00 | 23.34 | 20.35 |
| | | Jamuna ... | 0.45 | 0.57 | 0.65 | 1.72 | ..... | 1.80 | 0.72 | 6 | 5.90 | 13.17 | 9.77 | 25.57 | 20.35 |
| | | Mohasana ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Namhat ... | ..... | ..... | ..... | 1.05 | 0.24 | 0.85 | 0.13 | 4 | 2.84 | 7.06 | ? | 15.13 | ? |
| | | Pachamba ... | 0.10 | 0.60 | 0.23 | 1.60 | 1.00 | 0.70 | 0.43 | 7 | 4.31 | 11.91 | 9.00 | 31.60 | 18.54 |
| | Singbhoon ... | (Girid), ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Hazaribagh ... | 0.27 | 0.18 | 0.07 | 1.00 | 3.39 | 2.23 | 0.25 | 7 | 7.90 | 17.00 | 9.77 | 27.18 | 18.43 |
| | | Semtapur ... | 0.44 | ..... | 1.48 | 0.22 | 0.50 | 0.24 | 0.44 | 6 | 3.90 | 11.47 | 9.05 | 30.19 | 19.01 |
| | | Mahudi Hills ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Jhoomra Hills ... | 0.70 | 0.40 | 0.80 | 0.80 | 1.10 | 2.70 | 0.80 | 7 | 6.00 | 14.70 | 12.76 | 29.00 | 24.30 |
| | Lohardugga ... | Barki ... | 0.25 | 0.22 | 0.05 | 1.70 | 2.10 | 0.20 | 1.03 | 7 | 5.53 | 14.03 | ? | 23.79 | ? |
| | | Chatra ... | ..... | 0.35 | 0.40 | 1.50 | 0.40 | 2.55 | 0.08 | 6 | 5.34 | 13.00 | ? | 31.10 | ? |
| | | Karagda ... | 0.30 | 0.37 | 1.19 | 0.54 | 0.60 | 1.74 | 2.15 | 7 | 6.98 | 13.55 | ? | 31.13 | ? |
| | | Kamphar ... | ..... | 0.50 | 0.40 | 0.70 | ..... | ..... | 2.10 | 4 | 4.05 | 9.25 | ? | 19.84 | ? |
| | | Lohardugga ... | 0.75 | 0.36 | 0.15 | 1.31 | 2.35 | 0.80 | 0.09 | 7 | 5.80 | 11.73 | 9.80 | 20.28 | 19.27 |
| | Singbhoon ... | Ranohi ... | 0.27 | 0.20 | 0.90 | 1.21 | 0.72 | 0.42 | ..... | 6 | 3.62 | 10.04 | 9.76 | 17.12 | 21.26 |
| | | Palmow ... | 4.46 | 0.40 | 0.67 | 4.34 | 0.17 | 0.00 | ..... | 6 | 10.19 | 14.63 | 9.03 | 33.60 | 18.13 |
| | | Silk ... | 1.00 | 0.40 | ..... | 1.00 | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Balumar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Hosseinabad ... | 0.83 | ..... | ..... | 1.62 | ..... | 3.83 | 0.23 | 4 | 6.74 | 9.96 | ? | 17.60 | ? |
| | Manbhoon ... | Garwah ... | 0.30 | 0.30 | 1.25 | 0.65 | 0.96 | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Chakradhar ... | 0.80 | 0.16 | 0.35 | ..... | 0.15 | 0.30 | 0.06 | 6 | 1.88 | 7.04 | 10.80 | 19.17 | 21.75 |
| | | Chakradhar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |
| | | Chakradhar ... | ..... | 2.60 | ..... | 0.75 | 1.22 | ..... | 0.04 | 4 | 4.74 | 12.59 | ? | 27.12 | ? |
| | | Baharagura ... | ..... | 1.90 | 1.81 | ..... | ..... | 3.15 | ..... | ..... | ..... | ..... | ? | ? | ? |
| | Manbhoon ... | Purulia ... | 0.16 | 0.01 | 0.05 | 0.40 | 0.16 | 0.37 | ..... | 6 | 1.89 | 9.10 | 9.30 | 24.50 | 19.07 |
| | | Gohindpore ... | 0.16 | 0.46 | 0.17 | 1.35 | 0.04 | 0.02 | 0.01 | 7 | 3.91 | 7.61 | 8.04 | 10.72 | 17.79 |
| | | Baharagura ... | 2.46 | 1.03 | 1.07 | 0.35 | 0.08 | 1.07 | 0.40 | 7 | 7.04 | 15.16 | ? | 31.61 | ? |
| | | Baharagura ... | 0.25 | 0.10 | 0.10 | 2.30 | 0.15 | 0.05 | ..... | 6 | 3.85 | 13.20 | ? | 24.79 | ? |
| | | Jhaide ... | 0.87 | ..... | 1.30 | 1.25 | ..... | 2.79 | 0.70 | 5 | 6.01 | 12.27 | ? | 24.23 | ? |
| | | Chas ... | 0.20 | 0.02 | 1.25 | 0.65 | 1.18 | 0.28 | ..... | 6 | 3.07 | 6.87 | ? | 22.71 | ? |

Explanation.—.....Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 29th July 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE
25TH OF JULY 1890.**

WEATHER conditions during the past week seem to have been influenced by a very shallow depression which, forming at the beginning of the week in the north-west corner of the Bay, moved slowly towards the mouth of the Hooghly, and without being immediately followed by either stormy weather or heavy rain, passed over part of South-West Bengal and Chutia Nagpur. On Friday the 19th, pressure was lowest at False Point after a very slow fall of a thirtieth of an inch, but the formation of the depression was accelerated by a gradually increasing rise of pressure towards the north-west, where it exceeded a twentieth of an inch. Winds had a tendency to take cyclonic directions, but were everywhere feeble in force. Temperature was rising rather rapidly over the eastern half of the province, and falling moderately elsewhere, the rainfall having become much more scattered in East and North Bengal than it had been for some days. In Orissa, Chutia Nagpur, and Behar general rain was falling, and amounts were considerable at many of the stations in the last. On the 20th the slow and rather local fall of pressure continued in the north-west corner of the Bay and adjoining districts, the depression intensifying slightly and the centre appearing to be about south of Saugor Island, where pressure was lowest and about $\cdot 15$ inch below the normal. The wind circulation was cyclonic in Orissa, South-West Bengal, and Chutia Nagpur, but in the other districts the usual easterly or south-easterly directions prevailed, and though there was a considerable increase of velocity from that of the previous day, it still remained below the average. Heavier rain was falling in Orissa, but in the other districts falls were lighter and less general, especially in North Behar and North Bengal, where possibly, owing to the indraught to the low-pressure area, rainfall to a large extent ceased. On the 21st the depression had advanced as far as Bankoora, pressure falling briskly at a few stations in that neighbourhood and slowly over the rest of the province. There was no further increase of intensity, and it was evidently beginning to fill up, the area within which defect was more than a tenth of an inch including the greater part of South-West Bengal and Orissa and the eastern half of Chutia Nagpur, and the largest defect being only $\cdot 13$ inch at Midnapore. Wind velocity increased to rather more than 20 miles an hour in the north-west corner of the Bay, so that weather was never stormy to the rear of the depression, vessels arriving from the Bay reporting only fresh or strong breezes with rain squalls and rough sea. Rainfall diminished in Orissa and became more general and heavy in South-West Bengal and Chutia Nagpur, while general light rain was received in the other districts. On the 22nd the depression had left the province, and pressure was lowest in South Behar; but as pressure was rising very slowly in the southern districts, a diffused shallow low-pressure area covered the whole of the western half of the province. Ordinary monsoon weather prevailed, light rain falling at almost all stations, and very few heavy falls occurring; but in South Behar and the north of Chutia Nagpur falls were nearly all between 1 and 2 inches. On the 23rd a brisk rise of pressure set in, continuing on the 24th, and general heavy rain fell in all districts except Orissa. Easterly winds continued in the northern districts till the 24th, but on this day westerly winds were blowing in South Behar and the southern districts, and on the last day of the week over the whole province. It would appear that after the filling up of the depression on the 23rd and 24th the inrush of westerly winds, interfering with the moist current following the depression from the Bay, has caused the much more generally heavy rain than fell about the middle of the week immediately after the passage of the depression.

Pressure—Changes have generally been small, never exceeding a tenth of an inch, and only on one or two days exceeding a twentieth of an inch; these occurring near the depression while passing over the province, and during the brisk rise on the 23rd and 24th. Defect was over a tenth of an inch in the western districts in the early part of the week, and as there was very little change till the 23rd, means for the week are generally considerably below the normal. In Orissa, South-West Bengal, Chutia Nagpur, and Behar, mean defect is over a twentieth of an inch, while in the eastern half of Bengal and Assam it is about four-hundredths of an inch.

Temperature—Owing to the almost continuous rain, has been everywhere below the normal, defect in Behar being nearly 2° , in Chutia Nagpur $1\cdot 4^{\circ}$, Assam $1\cdot 3^{\circ}$, North Bengal $1\cdot 1^{\circ}$, South-West and East Bengal $\cdot 7^{\circ}$, and Orissa $\cdot 5^{\circ}$. On the first day of the week it fell rapidly in Behar and slowly over the western half, while it rose moderately in the eastern half of the province. On Sunday there was an almost general rise followed by slight irregular changes till Thursday the 24th, when a general fall set in and continued till the end of the week.

Rainfall—Though generally light or moderate, almost continuous rain has fallen in all districts, the number of rainy days being one and in Behar and Chutia Nagpur two above the average. The mean falls are consequently everywhere above the normal; the greatest difference occurring in Behar and Chutia Nagpur, where falls are double the normal. In Chutia Nagpur the average fall is $5\cdot 2$ inches, or $2\cdot 4$ inches above the normal; in South Behar $4\cdot 6$ inches, excess being $2\cdot 3$ inches; in North Behar $4\cdot 36$ inches, excess 2 inches. The other falls are—East Bengal $4\cdot 2$, North Bengal 4, Orissa $3\cdot 4$, and South-West Bengal $2\cdot 5$ inches, excess varying from half an inch in the last two to $1\cdot 4$ inches in North Bengal.

Actual falls generally lie between 2 and 5 inches over the greater part of the province, but detached areas occur within which they are usually over 5 inches. These are—Chittagong, Backergunge, and Noakholly in East Bengal, the heaviest falls being 11 inches at Cox's Bazar, 8·5 inches at Fenny, and about 7·5 inches at Rangamati and Bauphal; Julpigoree and the Darjeeling Hills in North Bengal, Bhagatpore, Darjeeling, Kalimpong, and Kurseong reporting more than 10 and several others more than 7 inches; North Bhagulpore in North Behar, and Hazaribagh, Lohardugga, and Manbhoom in Chutia Nagpur. The heaviest falls in Behar and Chutia Nagpur are—Mozufferpore 7·8, Dehree 7·5, Sasseram 7·7, Arrah 14·5, Bickram 7, Hazaribagh 8, Karagdeha 7, Palamow 10·2, Raghunathpore and Jhaldia 7 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 25th of July 1890:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | | | RAINFALL. | | | | | | | | |
|------------------------------|-------------------------------|------------------------------|-------------------------|------------------------|-----------------------|--|----------|-----------------|------------|-------------------------|--------------------------------|------------|---------------------|-----------------|-------------------|-----------------|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of month. | | Since 1st of May. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Orissa | 83·7 | 73·6 | 87·0 | 78·6 | 82·8 | -0·5 | 3·45 | 2·81 | +0·34 | 5·1 | 4·0 | +1·1 | 10·67 | 9·93 | 24·93 | 20·80 |
| South-West Bengal | 85·3 | 73·6 | 88·3 | 78·4 | 83·4 | -0·7 | 2·92 | 3·40 | +0·43 | 5·4 | 4·5 | +0·9 | 8·66 | 8·97 | 26·99 | 31·84 |
| East Bengal | 85·9 | 73·0 | 86·2 | 77·1 | 81·7 | -0·7 | 4·80 | 3·23 | +0·98 | 6·0 | 5·5 | +0·5 | 13·33 | 12·17 | 38·10 | 34·80 |
| North Bengal | 91·3 | 75·1 | 88·2 | 78·2 | 83·2 | -1·1 | 4·04 | 2·69 | +1·63 | 5·5 | 4·4 | +1·1 | 12·80 | 11·12 | 30·94 | 34·18 |
| North Behar | 91·4 | 75·5 | 86·3 | 78·5 | 83·4 | -1·8 | 4·26 | 2·89 | +2·07 | 4·9 | 3·4 | +1·5 | 14·40 | 9·70 | 26·47 | 20·28 |
| South Behar | 91·4 | 71·7 | 87·4 | 78·8 | 82·9 | -1·7 | 4·63 | 2·36 | +2·28 | 6·1 | 4·1 | +2·0 | 12·07 | 8·73 | 25·94 | 17·08 |
| Chutia Nagpur | 84·0° | 70·0° | 82·0° | 72·5° | 77·2° | -1·4° | 5·22 | 2·78 | +2·44 | 6·6 | 5·0 | +1·6 | 11·14 | 9·28 | 23·20 | 19·60 |
| Assam | 89·5 | 75·8 | 88·8 | 77·1 | 82·7 | -1·3 | | | | | | | | | | |

* Chyabasse not included.

METEOROLOGICAL OFFICE, BENGAL ;

O. LITTLE,

The 29th July 1890.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 20th to 26th July 1890.

| MONTH. | Date. | Pressure at 10 A.M. corrected and reduced to 32° Fahr. | TEMPERATURE. | | | | | HYGROMETRY. | | | | Rainfall past 24 hours. |
|--------------|----------|--|--------------|----------|--------|----------|---------------------|---------------------|----------------------------|----------------------|---------------------|-------------------------|
| | | | Daily mean. | Maximum. | Range. | Minimum. | Dry bulb at 10 A.M. | Wet bulb at 10 A.M. | Vapour pressure at 10 A.M. | Dew point at 10 A.M. | Humidity at 10 A.M. | |
| | | Inches. | ° | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| July 1890... | 20th ... | 29·523 | 84·4 | 89·0 | 9·2 | 79·8 | 83·6 | 80·3 | ·991 | 79·0 | 86 | 0·04 |
| " " | 21st ... | ·472 | 84·2 | 89·0 | 9·7 | 79·3 | 84·6 | 81·3 | 1·025 | 80·0 | 85 | 0·74 |
| " " | 22nd ... | ·482 | 84·4 | 90·0 | 11·2 | 78·8 | 84·6 | 81·5 | 1·035 | 80·3 | 87 | 0·31 |
| " " | 23rd ... | ·513 | 81·4 | 84·9 | 7·1 | 77·8 | 81·6 | 80·5 | 1·028 | 80·1 | 95 | 1·56 |
| " " | 24th ... | ·583 | 81·9 | 86·0 | 8·2 | 77·8 | 80·4 | 78·3 | ·951 | 77·7 | 91 | 0·24 |
| " " | 25th ... | ·611 | 83·5 | 89·0 | 11·0 | 78·0 | 83·4 | 79·7 | ·965 | 78·2 | 84 | 0·01 |
| " " | 26th ... | ·609 | 84·3 | 88·9 | 9·3 | 79·6 | 85·1 | 81·5 | 1·028 | 80·1 | 85 | ... |

The mean 10 A.M. pressure of the seven days Inches. 29·536

The mean temperature of the seven days 83·4

The extreme variation of temperature 12·2

The maximum temperature 90·0

The mean 10 A.M. relative humidity of the seven days % 88

The total fall of rain from 20th to 26th July 1890 Inches. 2·89

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;

The 28th July 1890.

MEMORANDUM.

Monthly review of deaths registered in forty-five districts of Bengal for the month of April 1890.

[The delay in the publication of this review is due to the non-receipt of the Gya district returns, which was not received in this office till the 23rd instant, or nearly three months after the month to which it relates.]

The deaths registered in forty-five districts of Bengal during the month of April 1890 were 138,245, and correspond to an annual rate of 25.08 per 1,000 of the aggregate population of those districts, which is 65,859,584. The rate is 1.56 higher than the mean rate of corresponding periods of the five years 1885-89, and is also higher than the rate of the corresponding periods of any of the past five years except 1889, *vide* the figures below—

| | April 1883. | April 1886. | April 1887. | April 1888. | April 1889. | Monthly average of five years, 1885-89. | April 1890. |
|---|-------------|-------------|-------------|-------------|-------------|---|-------------|
| Ratio of deaths per 1,000 of the population per annum | 21.36 | 20.88 | 22.90 | 23.76 | 23.96 | 23.52 | 25.08 |

The following table shows the highest proportions of deaths registered during the month of April 1890, compared with the corresponding month of 1889:—

| Districts. | | Ratio per mille during— | | Districts. | | Ratio per mille during— | |
|------------|-----|-------------------------|-------------|------------|-----|-------------------------|-------------|
| | | April 1890. | April 1889. | | | April 1890. | April 1889. |
| Darjiling | ... | 49.56 | 44.10 | Hughli | ... | 28.44 | 23.16 |
| Bhagulpore | ... | 45.36 | 33.96 | Pubna | ... | 27.72 | 29.62 |
| Julpaiguri | ... | 41.52 | 44.52 | Backerganj | ... | 27.72 | 42.12 |
| Noakhali | ... | 32.04 | 41.88 | Shahabad | ... | 27.48 | 20.16 |
| Rajshahye | ... | 32.04 | 36.72 | Serampore | ... | 27.24 | 21.60 |
| Maldah | ... | 31.08 | 38.04 | Birbhum | ... | 26.88 | 30.48 |
| Hazaribagh | ... | 30.24 | 24.72 | Patna | ... | 26.88 | 18.00 |
| Jessore | ... | 29.88 | 28.68 | Gya | ... | 26.88 | 20.16 |
| Purneah | ... | 29.76 | 98.04 | Bogra | ... | 26.52 | 28.08 |
| Durbhanga | ... | 29.64 | 15.24 | Howrah | ... | 25.80 | 20.40 |
| Monghyr | ... | 29.16 | 23.76 | Faridpore | ... | 25.80 | 37.68 |
| Rungpore | ... | 28.60 | 25.44 | Dinajpur | ... | 25.66 | 33.60 |

The total mortality during the month under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding month of 1889 and the average of the five years 1885-89:—

| | Ratio per mille during— | | |
|------------------|-------------------------|-------------|--|
| | April 1890. | April 1889. | Monthly average of five years 1885-89. |
| Cholera | 3.00 | 6.00 | 3.84 |
| Small-pox | .86 | .24 | .12 |
| Fever | 17.84 | 17.64 | 15.24 |
| Bowel-complaints | .60 | .72 | .72 |
| Injury | .24 | .24 | .24 |
| Other causes | 3.00 | 3.48 | 3.88 |

The highest annual death-rates from the several registered death-causes occurred in the following districts:—

| Cholera. | | Small-pox. | | Fever. | | Other causes. | |
|-------------|------------------|------------|------------------|------------|------------------|---------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Bhagulpore | 21.84 | Chumparun | 2.40 | Julpaiguri | 38.76 | Poori | 12.24 |
| Durbhanga | 8.88 | Patna | 2.16 | Darjiling | 36.12 | | |
| Purneah | 8.88 | Poori | 2.16 | Rajshahye | 28.92 | | |
| Faridpore | 6.84 | | | Noakhali | 27.24 | | |
| Maldah | 6.84 | | | Hazaribagh | 20.28 | | |
| Monghyr | 6.00 | | | Pubna | 24.96 | | |
| Chumparun | 5.16 | | | Shahabad | 24.24 | | |
| Jessore | 4.44 | | | Rungpore | 23.88 | | |
| Backerganj | 3.96 | | | Gya | 23.88 | | |
| Tipperah | 3.72 | | | Jessore | 23.28 | | |
| Mymensing | 3.24 | | | Dinajpur | 22.92 | | |
| Khulna | 3.12 | | | Bogra | 22.08 | | |
| Dacca | 3.00 | | | Maldah | 22.32 | | |
| Rungpore | 2.76 | | | Purneah | 20.28 | | |
| Howrah | 2.68 | | | | | | |
| Hughli | 2.64 | | | | | | |
| Murshedabad | 2.28 | | | | | | |
| Noakhali | 2.16 | | | | | | |
| Patna | 2.04 | | | | | | |

The mortality of the month under review, according to *Sex, Class and Age*, was distributed as follows:—

| <i>According to Sex.</i> | | <i>According to Class.</i> | | <i>According to Age.</i> | |
|---|------------------|----------------------------|------------------|--------------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Males ... | 27.84 | Christians ... | 11.40 | Under 1 year ... | 180.80 |
| Females ... | 22.44 | Hindus ... | 25.32 | 1 and under 5 years ... | 28.08 |
| Ratio of male deaths to every 100 female deaths calculated on the proportion such mortality bears to the total male and female population ... | 124 | Mahomedans ... | 25.20 | 5 " 10 " ... | 13.68 |
| | | Buddhists ... | 15.96 | 10 " 15 " ... | 12.12 |
| | | Other classes ... | 20.16 | 15 " 20 " ... | 16.68 |
| | | | | 20 " 30 " ... | 16.68 |
| | | | | 30 " 40 " ... | 18.96 |
| | | | | 40 " 50 " ... | 24.96 |
| | | | | 50 " 60 " ... | 36.00 |
| | | | | 60 years and upwards ... | 57.36 |

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

The 24th July 1890.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

MORTALITY ACCORDING TO—

| DIVISIONS. | DISTRICTS. | POPULATION. | | | | | | | | | | DEATHS FROM— | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | COMPARISON WITH PREVIOUS PERIOD. | | DEATHS AMONG— | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | Sex. | Ratio of male deaths to every 100 female deaths, calculated on the proportion each male to the total population. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Males. | | | | | Females. | | | | | Total. | | | | | Cholera. | | Small-pox. | | Fever. | | Bowel-complaints. | | Injury. | | Other diseases. | | All causes. | | Cholera. | | Small-pox. | | Fever. | | Bowel-complaints. | | | Injury. | | Other diseases. | | All causes. | | Ratio of deaths per 1,000 of population in the previous month. | | Ratio of deaths per 1,000 of population in the corresponding month of the previous year. | | Males. | | Females. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | 10 | | 11 | | 12 | | 13 | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------------------------------------|-------------------------|---------|-------------|------------|--|-------------|---------|-------------|------------|----------------|---------------|----------------------|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|---------------|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|
| | | MORTALITY ACCORDING TO- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | Age. | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DEATHS AMONG- | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | DEATHS. | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | | | | | | | | |
| DIVISIONS. | DISTRICTS. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. |
| BURDWAN | Burdwan | 2 | 2,338 | 484 | ... | ... | 26.23 | 24.96 | 22.08 | ... | ... | 528 | 202 | 144 | 104 | 179 | 385 | 309 | 317 | 231 | 352 | 201.34 | 18.38 | 10.39 | 9.24 | 17.52 | 18.00 | 19.56 | 24.84 | 31.06 | 51.04 |
| | Bankura | ... | 1,579 | 84 | ... | 141 | ... | 20.76 | 2.72 | ... | ... | 528 | 202 | 144 | 104 | 179 | 385 | 309 | 317 | 231 | 352 | 201.34 | 18.38 | 10.39 | 9.24 | 17.52 | 18.00 | 19.56 | 24.84 | 31.06 | 51.04 |
| | Bihum | ... | 1,446 | 84 | ... | ... | ... | 23.08 | 23.08 | ... | ... | 528 | 202 | 144 | 104 | 179 | 385 | 309 | 317 | 231 | 352 | 201.34 | 18.38 | 10.39 | 9.24 | 17.52 | 18.00 | 19.56 | 24.84 | 31.06 | 51.04 |
| | Malinapore | 3 | 4,148 | 305 | ... | 307 | 49.90 | 22.20 | 12.20 | ... | ... | 528 | 202 | 144 | 104 | 179 | 385 | 309 | 317 | 231 | 352 | 201.34 | 18.38 | 10.39 | 9.24 | 17.52 | 18.00 | 19.56 | 24.84 | 31.06 | 51.04 |
| | Hughli | 1 | 1,399 | 364 | ... | ... | 41.25 | 27.12 | 33.64 | ... | ... | 528 | 202 | 144 | 104 | 179 | 385 | 309 | 317 | 231 | 352 | 201.34 | 18.38 | 10.39 | 9.24 | 17.52 | 18.00 | 19.56 | 24.84 | 31.06 | 51.04 |
| PRESIDENCY | Serampore | ... | 655 | 141 | ... | ... | ... | 27.00 | 28.32 | ... | ... | 119 | 91 | 76 | 36 | 87 | 107 | 200 | 161 | 248 | 141.24 | 35.28 | 27.72 | 14.16 | 13.42 | 15.72 | 19.56 | 24.84 | 31.06 | 51.04 | |
| | Total (Hughli including Serampore). | 1 | 1,808 | 505 | ... | ... | 18.21 | 47.12 | 31.92 | ... | ... | 594 | 236 | 172 | 100 | 123 | 290 | 331 | 285 | 307 | 161.69 | 29.64 | 20.16 | 12.06 | 16.20 | 17.40 | 23.28 | 24.12 | 39.62 | 65.29 | |
| | Howrah | 2 | 1,048 | 290 | ... | ... | 11.64 | 23.04 | 25.32 | ... | ... | 254 | 174 | 113 | 61 | 63 | 147 | 129 | 95 | 121 | 219 | 163.56 | 30.72 | 17.29 | 11.84 | 13.10 | 14.58 | 15.72 | 19.56 | 24.84 | 31.06 |
| | 24 Pargunnahs | 9 | 1,644 | 506 | ... | ... | 10.56 | 10.56 | 10.56 | ... | ... | 339 | 363 | 329 | 123 | 167 | 300 | 248 | 214 | 188 | 371 | 97.99 | 22.08 | 17.32 | 9.12 | 16.54 | 11.52 | 13.50 | 16.06 | 23.40 | 44.16 |
| | Nuddea | 6 | 1,155 | 1,129 | ... | ... | 11.16 | 18.96 | 18.96 | ... | ... | 593 | 365 | 290 | 159 | 150 | 210 | 225 | 201 | 102 | 820 | 147.74 | 20.98 | 10.40 | 11.00 | 13.56 | 9.96 | 11.94 | 14.52 | 16.12 | 40.68 |
| RAJSHAHY | Jessore | ... | 1,442 | 2,884 | ... | ... | ... | 30.48 | 30.48 | ... | ... | 593 | 365 | 350 | 379 | 540 | 5.1 | 435 | 295 | 817 | 129.00 | 32.76 | 22.93 | 20.16 | 30.72 | 31.00 | 24.00 | 29.20 | 25.08 | 52.44 | |
| | Murshidabad | ... | 1,310 | 1,077 | ... | ... | ... | 24.72 | 21.84 | ... | ... | 420 | 315 | 185 | 116 | 117 | 206 | 232 | 230 | 302 | 190.99 | 23.32 | 12.24 | 11.40 | 15.34 | 13.20 | 14.32 | 20.40 | 21.48 | 52.44 | |
| | Khulna | ... | 980 | 1,177 | ... | ... | ... | 22.48 | 23.32 | ... | ... | 350 | 341 | 244 | 93 | 110 | 219 | 212 | 161 | 271 | 130.90 | 31.09 | 19.20 | 10.24 | 13.69 | 13.69 | 18.00 | 18.36 | 29.28 | 52.44 | |
| | Dinajpur | ... | 1,490 | 1,742 | ... | ... | ... | 23.56 | 23.56 | ... | ... | 503 | 387 | 210 | 102 | 148 | 501 | 497 | 370 | 167 | 284 | 172.32 | 21.16 | 9.94 | 12.06 | 17.28 | 23.40 | 26.28 | 30.74 | 21.12 | 45.72 |
| | Rajshahye | ... | 689 | 2,808 | ... | ... | ... | 33.32 | 33.32 | ... | ... | 516 | 654 | 393 | 382 | 270 | 450 | 404 | 300 | 175 | 250 | 208.92 | 41.04 | 20.48 | 21.60 | 32.04 | 23.76 | 25.08 | 28.92 | 29.40 | 44.28 |
| DACCA | Hattingpore | ... | 2,132 | 2,808 | ... | ... | ... | 33.32 | 33.32 | ... | ... | 711 | 376 | 325 | 247 | 208 | 741 | 774 | 618 | 424 | 470 | 169.44 | 19.72 | 12.93 | 14.98 | 23.40 | 23.32 | 27.72 | 31.90 | 33.04 | 51.48 |
| | Serra | ... | 200 | 1,200 | ... | ... | ... | 28.08 | 28.08 | ... | ... | 336 | 191 | 154 | 99 | 90 | 103 | 148 | 134 | 142 | 140 | 253.96 | 23.76 | 13.12 | 14.94 | 15.12 | 18.68 | 14.92 | 31.48 | 46.40 | 48.48 |
| | Pahna | ... | 732 | 2,259 | ... | ... | ... | 25.92 | 28.44 | ... | ... | 427 | 570 | 394 | 336 | 44 | 234 | 239 | 235 | 147 | 348 | 141.90 | 23.10 | 21.00 | 21.92 | 26.20 | 15.00 | 10.36 | 21.00 | 24.12 | 46.56 |
| | Darjiling | 2 | 612 | 31 | 9 | ... | 28.44 | 57.12 | 30.60 | 5.76 | ... | 70 | 74 | 30 | 41 | 44 | 103 | 104 | 73 | 37 | 48 | 298.44 | 57.48 | 23.08 | 10.92 | 15.48 | 27.00 | 35.24 | 50.40 | 63.04 | 61.20 |
| | Jalpaiguri | ... | 1,285 | 716 | ... | 17 | ... | 41.76 | 41.76 | ... | ... | 514 | 160 | 81 | 78 | 91 | 103 | 104 | 73 | 37 | 48 | 298.44 | 57.48 | 23.08 | 10.92 | 15.48 | 27.00 | 35.24 | 50.40 | 63.04 | 61.20 |
| CHITTAGONG | Dacca | 15 | 1,387 | 1,072 | ... | ... | 30.48 | 19.32 | 41.16 | ... | ... | 571 | 524 | 290 | 160 | 160 | 307 | 336 | 241 | 253 | 550 | 116.40 | 21.00 | 10.56 | 7.92 | 13.60 | 11.04 | 13.92 | 15.36 | 23.76 | 50.16 |
| | Faridpore | 6 | 1,157 | 2,292 | ... | ... | 26.16 | 23.10 | 27.50 | ... | ... | 484 | 611 | 325 | 197 | 200 | 354 | 371 | 320 | 247 | 497 | 143.98 | 34.32 | 16.20 | 13.60 | 20.34 | 15.84 | 10.40 | 24.00 | 30.12 | 40.80 |
| | Backerganj | ... | 1,157 | 3,294 | ... | ... | 16.08 | 22.32 | 30.40 | 4.92 | ... | 924 | 611 | 451 | 225 | 173 | 334 | 371 | 320 | 247 | 497 | 143.98 | 34.32 | 16.20 | 13.60 | 20.34 | 15.84 | 10.40 | 24.00 | 30.12 | 40.80 |
| | Mymensingh | ... | 1,455 | 3,470 | ... | 84 | 20.04 | 20.04 | 19.44 | ... | ... | 573 | 736 | 541 | 271 | 291 | 382 | 335 | 337 | 374 | 740 | 92.32 | 21.48 | 12.96 | 10.56 | 13.56 | 14.94 | 16.24 | 22.32 | 28.40 | 51.84 |
| | Chittagong | 1 | 589 | 1,270 | ... | ... | 11.28 | 15.72 | 18.96 | 21.00 | ... | 201 | 290 | 184 | 98 | 106 | 614 | 695 | 498 | 147 | 211 | 72.96 | 19.36 | 11.04 | 8.64 | 13.20 | 14.76 | 14.00 | 17.44 | 29.16 | 48.84 |
| PATNA | Noakhali | ... | 494 | 1,793 | ... | ... | 20.40 | 22.04 | 34.20 | ... | ... | 469 | 490 | 241 | 103 | 94 | 155 | 144 | 130 | 121 | 236 | 210.44 | 51.40 | 25.44 | 14.04 | 16.20 | 14.04 | 16.32 | 22.32 | 31.48 | 53.28 |
| | Tipperah | ... | 1,008 | 1,070 | ... | ... | 22.40 | 22.40 | 20.04 | ... | ... | 591 | 507 | 294 | 141 | 144 | 155 | 144 | 136 | 173 | 392 | 141.16 | 20.52 | 11.10 | 10.30 | 16.20 | 14.04 | 16.32 | 22.32 | 31.48 | 53.28 |
| | Patna | 7 | 3,454 | 504 | ... | ... | 32.40 | 26.40 | 28.32 | ... | ... | 691 | 736 | 294 | 141 | 144 | 155 | 144 | 136 | 173 | 392 | 141.16 | 20.52 | 11.10 | 10.30 | 16.20 | 14.04 | 16.32 | 22.32 | 31.48 | 53.28 |
| | Gya | ... | 4,178 | 692 | ... | ... | ... | 26.40 | 30.96 | ... | ... | 524 | 707 | 252 | 170 | 157 | 311 | 295 | 351 | 690 | 895 | 149.08 | 22.08 | 10.56 | 9.36 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| | Shahabad | ... | 4,178 | 692 | ... | ... | ... | 26.40 | 30.96 | ... | ... | 524 | 707 | 252 | 170 | 157 | 311 | 295 | 351 | 690 | 895 | 149.08 | 22.08 | 10.56 | 9.36 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| SHAHALPUR | Mosufferpore | ... | 3,660 | 439 | ... | ... | ... | 19.32 | 16.44 | ... | ... | 481 | 927 | 293 | 153 | 110 | 316 | 400 | 460 | 498 | 620 | 135.24 | 30.60 | 14.28 | 7.80 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| | Darbhanga | ... | 5,746 | 783 | ... | ... | 36.84 | 20.64 | 20.52 | ... | ... | 622 | 1,190 | 641 | 291 | 93 | 316 | 400 | 460 | 498 | 620 | 135.24 | 30.60 | 14.28 | 7.80 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| | Sarun | ... | 3,096 | 401 | ... | ... | ... | 18.36 | 17.70 | ... | ... | 632 | 1,190 | 641 | 291 | 93 | 316 | 400 | 460 | 498 | 620 | 135.24 | 30.60 | 14.28 | 7.80 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| | Chumprang | 6 | 2,829 | 384 | ... | ... | 37.08 | 22.80 | 18.00 | ... | ... | 632 | 1,190 | 641 | 291 | 93 | 316 | 400 | 460 | 498 | 620 | 135.24 | 30.60 | 14.28 | 7.80 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| | Monghyr | 1 | 4,201 | 525 | ... | ... | 10.92 | 28.80 | 33.48 | ... | ... | 632 | 1,190 | 641 | 291 | 93 | 316 | 400 | 460 | 498 | 620 | 135.24 | 30.60 | 14.28 | 7.80 | 13.44 | 18.54 | 20.76 | 35.28 | 59.00 | 73.20 |
| ORISSA | Bhagalpore | 1 | 6,841 | 501 | ... | ... | 20.76 | 40.44 | 38.64 | ... | ... | 726 | 1,067 | 722 | 531 | 403 | 391 | 384 | 473 | 548 | 648 | 137.08 | 44.04 | 1.28 | 13.80 | 13.00 | 15.84 | 17.84 | 27.84 | 40.86 | 70.80 |
| | Purulia | ... | 3,012 | 1,500 | ... | ... | ... | 33.48 | 24.72 | ... | ... | 344 | 370 | 345 | 320 | 244 | 1,031 | 1,045 | 713 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Malda | ... | 1,067 | 770 | ... | ... | ... | 33.72 | 28.40 | ... | ... | 237 | 321 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Sonthal Pargunnahs | 1 | 1,233 | 123 | ... | 737 | 8.64 | 17.6. | | | | | | | | | | | | | | | | | | | | | | | |

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 12th July 1890.

BIRTHS.

THE births registered during the week ending with Saturday, the 12th July 1890, in twenty-seven principal towns of Bengal, correspond to an annual rate of 18·2 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 1·3 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years except 1886 and 1889—*vide* the figures below—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years, 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|--|-------|
| Ratio of births per 1,000 of the population per annum | 23·2 | 17·7 | 18·5 | 19·9 | 16·3 | 19·5 | 18·2 |

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|----------------|-----------------|
| | 21st June 1890. | 28th June 1890. | 5th July 1890. | 12th July 1890. | | 21st June 1890. | 28th June 1890. | 5th July 1890. | 12th July 1890. |
| Burdwan | 7·6 | 19·8 | 16·8 | 18·7 | Narainganj | 58·0 | 12·4 | 4·1 | 20·7 |
| Midnapore | 3·1 | 20·1 | 17·0 | 23·2 | Chittagong | 23·5 | 21·1 | 42·3 | 28·2 |
| Hughli and Chinsurah | 14·8 | 18·1 | 20·3 | 18·1 | Comilla | 11·5 | 38·5 | 34·7 | 3·8 |
| Serampore | 29·4 | 27·5 | 25·5 | 13·7 | Patna | 7·8 | 11·4 | 10·1 | 11·4 |
| Utterpara | 9·4 | 9·4 | 37·7 | ... | Gya | 12·3 | 21·9 | 14·3 | 29·4 |
| Howrah | 15·5 | 13·2 | 31·2 | 17·3 | Arrah | 17·9 | 10·8 | 14·4 | 23·9 |
| Bali | 10·5 | 14·0 | 10·5 | 28·1 | Mozufferpore | 18·2 | 15·8 | 13·4 | 15·2 |
| Kishnagar | 9·5 | 20·5 | 1·9 | 17·0 | Durghanga | 17·3 | 28·3 | 15·4 | 22·8 |
| Ranaghat | ... | 0·0 | 18·0 | 18·0 | Chupra | 3·0 | 8·0 | 7·0 | 12·1 |
| Santipore | 8·8 | 17·5 | 12·3 | 10·5 | Bhagalpore | 17·2 | 21·7 | 20·9 | 19·9 |
| Jessore | ... | ... | 6·1 | 6·1 | Monghyr | 23·5 | 24·4 | 14·5 | 38·9 |
| Rampore Beaulah | 36·8 | 34·2 | 34·2 | 18·4 | Purneah | ... | 3·5 | 17·3 | 3·5 |
| Darjiling | 50·3 | ... | 14·8 | 37·0 | Poori | 29·4 | 14·7 | 23·1 | 14·7 |
| Dacca | 7·8 | 9·7 | 11·0 | 9·7 | | | | | |

It will be seen that last week the highest birth-rate was returned from Monghyr (38·9), and the lowest from Purneah (3·5). No births were registered during the week in Utterpara town.

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 21·4 per 1,000 of the population. The rate of the week is 5·2 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1888—*vide* the figures below—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years, 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|--|-------|
| Ratio of deaths per 1,000 of the population per annum | 26·3 | 25·5 | 24·0 | 21·1 | 25·5 | 25·5 | 21·4 |

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|-----------------|----------------|-----------------|--------------|-----------------|-----------------|----------------|-----------------|
| | 21st June 1890. | 28th June 1890. | 5th July 1890. | 12th July 1890. | | 21st June 1890. | 28th June 1890. | 5th July 1890. | 12th July 1890. |
| Burdwan | 15·3 | 19·8 | 16·8 | 22·0 | Narainganj | 16·6 | 20·7 | 8·3 | 24·8 |
| Midnapore | 20·1 | 26·3 | 21·7 | 23·2 | Chittagong | 10·4 | 23·5 | 37·5 | 39·9 |
| Hughli and Chinsurah | 19·7 | 27·0 | 23·0 | 21·3 | Comilla | 11·5 | 34·7 | 40·2 | 26·9 |
| Serampore | 10·7 | 29·4 | 29·4 | 29·4 | Patna | 15·3 | 14·3 | 15·3 | 14·9 |
| Utterpara | 28·8 | ... | 9·4 | 18·9 | Gya | 84·8 | 27·3 | 26·0 | 37·1 |
| Howrah | 12·0 | 8·6 | 8·8 | 11·5 | Arrah | 37·1 | 40·5 | 31·1 | 35·9 |
| Bali | 17·5 | 10·5 | 24·6 | 3·5 | Mozufferpore | 20·8 | 38·5 | 31·6 | 31·6 |
| Kishnagar | ... | 13·2 | 3·8 | 3·8 | Durghanga | 21·2 | 20·0 | 17·3 | 20·4 |
| Ranaghat | 0·0 | ... | 0·0 | 18·0 | Chupra | 14·1 | 10·1 | 8·0 | 21·1 |
| Santipore | 15·5 | 7·0 | 14·0 | 8·8 | Bhagalpore | 18·1 | 16·3 | 15·4 | 15·4 |
| Jessore | 30·7 | 12·2 | 18·4 | 30·0 | Monghyr | 17·2 | 19·9 | 9·0 | 25·4 |
| Rampore Beaulah | 23·6 | 15·8 | 15·4 | 10·5 | Purneah | 10·4 | 27·7 | 10·4 | 13·9 |
| Darjiling | 37·0 | 59·3 | 51·9 | 22·2 | Poori | 253·0 | 245·5 | 38·0 | 68·0 |
| Dacca | 17·5 | 19·5 | 21·4 | 15·5 | | | | | |

It will be seen that last week the highest mortality occurred in the town of Poori (65), and the lowest in Bali (3.5).

Measured by last week's mortality, the highest annual death-rates from the following registered death-causes were as follows:—

| <i>Cholera.</i> | | <i>Fever.</i> | | <i>Other causes.</i> | |
|-----------------|------------------|---------------|------------------|----------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Arrah | ... 15.6 | Jessore | ... 30.6 | Poori | ... 16.8 |
| Midnapore | ... 13.9 | Poori | ... 29.3 | Serampore | ... 13.7 |
| Mozufferpore | ... 12.2 | | | Gya | ... 13.0 |
| Poori | ... 10.5 | | | Monghyr | ... 9.9 |
| Serampore | ... 7.8 | | | | |
| Chupra | ... 7.0 | | | | |
| Monghyr | ... 4.5 | | | | |

The total mortality from the several registered death-causes in the twenty-seven towns amounted to 3.7 from cholera, against 3.1 per 1,000 in the preceding week; .5 from small-pox, against the same ratio; 8.6 from fever, against 8.5; 2.1 from bowel-complaints, against 1.9; .5 from injury, against .4; and 6 from other causes, against 5.6 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

| <i>According to Sex.</i> | | <i>According to Class.</i> | | <i>According to Age.</i> | |
|--|------------------|----------------------------|------------------|--------------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Males | ... 23.0 | Christians | ... 22.4 | Under 1 year | ... 196.7 |
| Females | ... 19.7 | Hindus | ... 22.7 | 1 and under 5 years | ... 29.7 |
| Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population | ... 116 | Mahomedans | ... 15.4 | 5 " 10 " | ... 18.7 |
| | | | | 10 " 15 " | ... 15.7 |
| | | | | 15 " 20 " | ... 10.9 |
| | | | | 20 " 30 " | ... 11.3 |
| | | | | 30 " 40 " | ... 13.1 |
| | | | | 40 " 50 " | ... 12.5 |
| | | | | 50 " 60 " | ... 22.8 |
| | | | | 60 years and upwards | ... 46.7 |

Detailed information regarding the vital statistics of the twenty-seven towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 28th July 1890.

Sanitary Commissioner for Bengal.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | | BIRTHS. | | | | DISEASE. | | | | MORTALITY ACCORDING TO— | | | | Sex. | | | |
|-------------|--------------------------|-------------|----------|-----------|--|------------|----------|--|--------|--------------|--------|----------|------------|--|-------------------|---------|-----------------|-------------|----------|---|--|
| | | Males. | Females. | Total. | Ratio of male births to every 100 female births. | NUMBER OF— | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | DEATHS FROM— | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | Males. | Females. | Ratio of deaths per 1,000 of population per annum in the previous week. | Ratio of male deaths to every 100 female deaths, calculated on the proportion of the total male and female population. |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Males. | Females. | Total. | Males. | Females. | Total. | Cholera. | Small-pox. | Fever. | Bowel-complaints. | Injury. | Other diseases. | All causes. | | | |
| Burdwan | Burdwan | 12,003 | 16,017 | 28,020 | 60 | 4 | 6 | 10 | 61 | 76 | 137 | ... | 1 | 1 | 2 | 3 | 1 | 15 | 29 | 168 | 101 |
| Midnapore | Midnapore | 16,977 | 16,633 | 33,610 | 36 | 4 | 11 | 15 | 15 | 17 | 32 | 9 | ... | ... | ... | ... | ... | 15 | 23 | 217 | 144 |
| Hughli | Hughli and Chinsurah. | 15,838 | 16,839 | 32,677 | 55 | 4 | 7 | 11 | 68 | 113 | 181 | ... | 3 | 6 | 1 | ... | ... | 13 | 23 | 217 | 110 |
| Barrackpore | Barrackpore | 13,529 | 15,267 | 28,796 | 600 | 6 | 1 | 7 | 11 | 20 | 31 | 4 | ... | ... | ... | ... | ... | 13 | 23 | 217 | 143 |
| Howrah | Howrah | 2,464 | 2,464 | 4,928 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 61 |
| Nuddea | Nuddea | 53,153 | 27,660 | 80,813 | 130 | 17 | 13 | 30 | 97 | 74 | 171 | 3 | ... | ... | ... | ... | ... | 20 | 21 | 94 | 106 |
| Jessore | Jessore | 7,856 | 6,979 | 14,835 | 60 | 3 | 5 | 8 | 10 | 17 | 27 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Rajshahi | Rajshahi | 13,293 | 14,314 | 27,607 | 80 | 4 | 5 | 9 | 75 | 93 | 168 | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Darjiling | Darjiling | 4,028 | 4,038 | 8,066 | 80 | 1 | 2 | 3 | 6 | 13 | 19 | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Dacca | Dacca | 13,703 | 15,579 | 29,282 | 500 | 5 | 1 | 6 | 8 | 17 | 25 | 2 | ... | ... | ... | ... | ... | 5 | ... | ... | 175 |
| Chittagong | Chittagong | 4,830 | 3,465 | 8,295 | 61 | 1 | ... | 1 | 10 | 17 | 27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tipperah | Tipperah | 10,768 | 9,025 | 19,793 | 133 | 4 | 3 | 7 | 10 | 13 | 23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Patna | Patna | 4,579 | 2,439 | 7,018 | 100 | 3 | 2 | 5 | 23 | 14 | 37 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Gya | Gya | 42,738 | 37,379 | 80,117 | 30 | 4 | 11 | 15 | 26 | 71 | 97 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Arrah | Arrah | 7,805 | 4,965 | 12,770 | 60 | 3 | 5 | 8 | 11 | 16 | 27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Moulvibazar | Moulvibazar | 13,340 | 8,790 | 22,130 | ... | 5 | 7 | 12 | 11 | 17 | 28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Darbhanga | Darbhanga | 8,183 | 5,833 | 14,016 | ... | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Baran | Baran | 78,783 | 61,475 | 140,258 | ... | 17 | 18 | 35 | 5 | 8 | 13 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bhagalpur | Bhagalpur | 38,290 | 27,831 | 66,121 | ... | 26 | 17 | 43 | 17 | 11 | 28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Monahy | Monahy | 20,960 | 22,803 | 43,763 | ... | 9 | 11 | 20 | 10 | 18 | 28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Purneah | Purneah | 23,034 | 19,653 | 42,687 | ... | 9 | 6 | 15 | 10 | 12 | 22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Footi | Footi | 32,774 | 23,323 | 56,097 | ... | 18 | 11 | 29 | 14 | 12 | 26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total | Total | 800,966 | 810,868 | 1,611,834 | ... | 194 | 177 | 371 | 85 | 87 | 172 | 70 | 11 | 175 | 43 | 11 | 122 | 427 | 37 | 5 | 116 |

| | | 13 | | | 14 | | | 15 | | | 16 | | | MORTALITY ACCORDING TO— | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------------------------|-------------|---------|-------------|------------|----------------|-------------|--|-------------|------------|----------------|---------------|----------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|----------------------|-----------------------|------------------------|--|------------------------|------------------------|------------------------|------------------------|------------------------|-----|--|--|--|--|--|
| | | Class. | | | | | | Age. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DISTRICTS. | NAMES OF MUNICIPALITIES. | DEATH-RATE— | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | DEATH-R. | | | | | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and up-wards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and up-wards. | | | | | | |
| Burdwan | Burdwan | 12 | 252 | 153 | ... | ... | ... | ... | ... | ... | 312.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Midnapore | Midnapore | 15 | 201 | ... | ... | ... | ... | ... | ... | ... | 76.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Hughli | Hughli and Chinsurah | 11 | 276 | 169 | ... | ... | ... | ... | ... | ... | 233.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Serampore | Serampore | 15 | 209 | ... | ... | ... | ... | ... | ... | ... | 73.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| | Uttarpara | 3 | 195 | ... | ... | ... | ... | ... | ... | ... | 133.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Howrah | Howrah | 15 | 114 | 101 | ... | ... | ... | ... | ... | ... | 186.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Ballia | Ballia | 1 | 59 | ... | ... | ... | ... | ... | ... | ... | 143.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| | Kalnagar | 1 | 58 | 63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Medinipur | Ranaghat | 1 | 71 | 703 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| | Santipore | 5 | 136 | ... | ... | ... | ... | ... | ... | ... | 61.5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Jessore | Jessore | ... | ... | 65.0 | ... | ... | ... | ... | ... | ... | 243.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Bankura | Bankura | 3 | 157 | 53 | ... | ... | ... | ... | ... | ... | 469.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Darjiling | Darjiling | 3 | 34.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Dacca | Dacca | 16 | 203 | 196 | ... | ... | ... | ... | ... | ... | 82.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| | Narainganj | 6 | ... | 85.6 | ... | ... | ... | ... | ... | ... | 745.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Chittagong | Chittagong | 1 | 66.3 | 44.3 | ... | ... | ... | ... | ... | ... | 377.1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Tipperah | Tipperah | 3 | 175 | 33 | ... | ... | ... | ... | ... | ... | 175.1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Patna | Patna City | 41 | 179 | 64 | ... | ... | ... | ... | ... | ... | 150.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Gya | Gya | 41 | 355 | 194 | ... | ... | ... | ... | ... | ... | 464.8 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| | Arrah | 20 | 356 | 41.9 | ... | ... | ... | ... | ... | ... | 333.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Shahabad | Shahabad | 20 | 356 | 39.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Meerutpore | Meerutpore | 1 | 333.3 | 346 | 39.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Darbhanga | Darbhanga | 23 | 236 | 23.7 | ... | ... | ... | ... | ... | ... | 367.2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| aran | aran | 17 | 253 | 178 | ... | ... | ... | ... | ... | ... | 184.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Bhagalpore | Bhagalpore | 13 | 170 | 151 | ... | ... | ... | ... | ... | ... | 174.2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Monohyr | Monohyr | 19 | 251 | 373 | ... | ... | ... | ... | ... | ... | 380.3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Purneah | Purneah | 3 | 113 | 134 | ... | ... | ... | ... | ... | ... | 185.7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| Footi | Footi | 20 | 63.0 | 247.6 | ... | ... | ... | ... | ... | ... | 514.9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |
| TOTAL | TOTAL | 3 | 237 | 156 | ... | ... | ... | ... | ... | ... | 196.7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | |

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 26th July 1890,
as compared with the corresponding week of the previous year.*

| NATURE OF CARGO. | WEEK ENDING SATURDAY, THE 26TH JULY 1890. | | | WEEK ENDING SATURDAY, THE 27TH JULY 1889. | | |
|------------------|--|---------------------|----------|--|---------------------|----------|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy | 364 | 62,525 | 928 | 252 | 45,200 | 712 |
| Jute | 9 | 3,775 | 64 | 8 | 3,695 | 67 |
| Firewood | 84 | 46,675 | 684 | 76 | 30,063 | 455 |
| Other articles | 770 | 2,09,365 | 2,728 | 725 | 1,75,775 | 2,492 |
| Total | 1,292 | 3,22,340 | 4,402 | 1,061 | 2,54,650 | 3,726 |

Bengal Central Railway.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of
May 1890, as compared with the same month of the previous year.*

| STAPLES. | 1890. | | 1889. | | Total. | | Increase. | Decrease. |
|------------------------------------|-------|-------|-------|-------|--------|--------|-----------|-----------|
| | Up. | Down. | Up. | Down. | 1890. | 1889. | | |
| | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | | |
| Coal | 1,387 | ..... | 2,186 | 11 | 1,577 | 2,167 | ..... | 580 |
| Cotton, raw | ..... | 8 | 1 | 19 | 8 | 20 | ..... | 12 |
| Cotton twist and yarn— | | | | | | | | |
| 1.—European | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Indian | ..... | ..... | ..... | ..... |  |  |  |  |
| Cotton piece-goods— | | | | | | | | |
| 1.—European— | | | | | | | | |
| a.—In bales and bundles | 204 | ..... | 228 | 5 | 204 | 228 | ..... | 24 |
| b.—In boxes | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Indian— | | | | | | | | |
| a.—In bales and bundles | ..... | ..... | ..... | ..... |  |  |  |  |
| b.—In boxes | ..... | ..... | ..... | ..... |  |  |  |  |
| Grains— | | | | | | | | |
| 2.—Rice | 20 | 45 | 27 | 124 | 75 | 151 | ..... | 76 |
| 2.—Others | 103 | 123 | 44 | 1,168 | 223 | 1,313 | ..... | 979 |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | | | | | | | | |
| a.—Dressed | ..... | ..... | ..... | ..... |  |  |  |  |
| b.—Undressed | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Skins of sheep, &c.— | | | | | | | | |
| a.—Dressed | ..... | ..... | ..... | ..... |  |  |  |  |
| b.—Undressed | ..... | ..... | ..... | ..... |  |  |  |  |
| Jute— | | | | | | | | |
| 1.—Raw— | | | | | | | | |
| a.—Unscrowed | ..... | 20 | ..... | 273 | 20 | 273 | ..... | 214 |
| 2.—Gunny-bags and cloth | 9 | 53 | 21 | 24 | 28 | 46 | 17 | ..... |
| Metals— | | | | | | | | |
| 1.—Copper, unwrought | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Brass, unwrought | ..... | ..... | ..... | ..... |  |  |  |  |
| 3.—Brass and copper, wrought | ..... | ..... | ..... | ..... |  |  |  |  |
| 4.—Iron | ..... | ..... | ..... | ..... |  |  |  |  |
| 5.—Tin | ..... | ..... | ..... | ..... |  |  |  |  |
| 6.—Others | ..... | ..... | ..... | ..... |  |  |  |  |
| Oils— | | | | | | | | |
| 2.—Kerosine | 124 | ..... | 27 | ..... | 124 | 27 | 47 | ..... |
| 2.—Others | 256 | ..... | 125 | ..... | 226 | 125 | 100 | ..... |
| Oilseeds— | | | | | | | | |
| 1.—Linseed | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Rape and mustard | ..... | ..... | ..... | ..... |  |  |  |  |
| 3.—Til or gingelly | ..... | ..... | ..... | ..... |  |  |  |  |
| 4.—Niger | ..... | ..... | ..... | ..... |  |  |  |  |
| 5.—Castor | ..... | ..... | ..... | ..... |  |  |  |  |
| 6.—Poppy | ..... | ..... | ..... | ..... |  |  |  |  |
| 7.—Others | ..... | ..... | ..... | ..... |  |  |  |  |
| Provisions— | | | | | | | | |
| 2.—Betel-nuts | ..... | 1,773 | 2 | 57 | 1,773 | 60 | 1,712 | ..... |
| 2.—Others | 25 | 29 | 21 | 124 | 24 | 277 | ..... | 153 |
| Railway plant and rolling-stock | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Salt | 305 | ..... | 429 | 9 | 305 | 508 | ..... | 163 |
| Sugar— | | | | | | | | |
| 1.—Drained | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Undrained | 61 | 420 | 17 | 2,223 | 551 | 2,270 | ..... | 1,239 |
| Tobacco | 17 | 53 | 22 | 65 | 70 | 123 | ..... | 53 |
| All other articles of merchandise— | | | | | | | | |
| 1.—Unmanufactured | ..... | ..... | ..... | ..... |  |  |  |  |
| 2.—Manufactured | ..... | ..... | ..... | ..... |  |  |  |  |
| Total | 2,490 | 2,613 | 4,244 | 5,287 | 7,220 | 10,681 | 2,234 | 3,465 |

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of May 1890.

| | | Tons. |
|---|-----|-------|
| INCREASES. | | |
| Hotel-nuts | ... | 1,713 |
| Principally from the Bengal Central Flotilla Company. | | |
| DECREASES. | | |
| Coal | ... | 590 |
| The decrease is due presumably to there being a sufficiency of stock at Bongaong and Kholna. | | |
| Jute, unscrewed | ... | 214 |
| The decrease was in despatches from Kholna, and is said to be due to the dullness of the market. | | |
| Seeds | ... | 1,907 |
| The decrease was general throughout the district, and is said to be due to short crops. The market in Calcutta was also bad. | | |
| Sugar | ... | 1,828 |
| The foregoing remark applies to this item also. Maslandpur, Gobardanga, Jadabpur, Nabharan, Jhikargacha, and Jessore are the principal sugar-manufacturing stations, and all exhibit decrease; that from Jhikargacha being 18,370 maunds. | | |

CALCUTTA, the 26th July 1890.

F. P. QUINLAN,
Examiner of Accounts.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 1,525½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|---------------|----------------------------------|----------------|-----------------------------|-----------------|--------------------------|--------------|----------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 233,176 | 2,37,070 0 0 | 19,43,891 10 | 4,20,996 6 0 | 19,072 0 0 | 3,77,738 6 0 | 65,308½ | 78,551 | 143,759½ |
| Or per mile of railway | 153 12 9 | | | 275 15 7 | 12 8 0 | 444 4 8 | | | |
| For previous 2 weeks of half-year | 408,244 | 3,94,155 13 0 | 34,39,786 0 | 7,84,949 7 0 | 32,082 10 0 | 11,81,100 14 0 | 112,767½ | 142,375½ | 255,143½ |
| Total for 3 weeks | 641,420 | 6,31,225 13 0 | 53,83,677 10 | 11,76,945 13 0 | 51,124 10 0 | 18,58,839 6 0 | 177,903½ | 220,926½ | 398,830 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year | 236,065½ | 2,42,015 14 2 | 24,94,233 20 | 4,90,686 0 3 | 21,061 0 9 | 7,61,782 15 9 | 66,319 | 98,549 | 164,868 |
| Per mile of railway corresponding week of previous year | 155 10 4 | | | 327 8 11 | 13 12 11 | 500 0 2 | | | |
| Total to corresponding date of previous year | 789,906½ | 7,42,319 1 8 | 63,23,527 30 | 14,36,675 5 9 | 30,088 2 7 | 23,51,283 10 0 | 193,777 | 275,794 | 469,571 |

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1890. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | |
| 1,525½ | 7,62,763 | 500 | 1,525½ | 6,77,738 | 444 | 1,525½ | 1,42,77,963 | 688 | 1,525½ | 1,29,97,950 | 533 | ..... | 12,80,033 |

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 57½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|----------------------|----------------------------------|---------------------|-----------------------------|---------------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the week ... | 10,813 | Rs. A. P. 5,407 10 0 | MDS. S. 40,012 20 | Rs. A. P. 2,488 5 0 | Rs. A. P. 56 4 0 | Rs. A. P. 7,954 2 0 | 1,043 | 553 | 1,596 |
| Or per mile of railway ... | 190 | 94 8 8 | 700 20 | 43 8 0 | 0 10 8 | 138 11 4 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... | 17,596 | 8,416 14 0 | 73,301 10 | 4,300 9 0 | 60 4 0 | 13,835 11 0 | 1,070 | 1,806 | 2,876 |
| Total for 3 weeks ... | 28,209 | 13,824 8 0 | 1,13,463 30 | 5,697 14 0 | 107 8 0 | 20,789 14 0 | 2,713 | 1,760 | 4,473 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 10,235½ | 5,198 7 4 | 40,479 10 | 2,400 0 0 | 27 8 3 | 7,692 15 7 | 923 | 519 | 1,442 |
| Per mile of railway corresponding week of previous year ... | 179 | 90 13 3 | 812 30 | 43 0 1 | 0 7 9 | 134 5 1 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 30,224 | 15,600 2 0 | 1,63,749 10 | 7,990 11 0 | 112 1 9 | 23,692 14 9 | 2,608 | 2,240 | 4,848 |

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| 57½ | Rs. 7,683 | Rs. 134 | 57½ | Rs. 7,934 | Rs. 139 | 57½ | Rs. 1,37,689 | Rs. 150 | 57½ | Rs. 1,48,403 | Rs. 162 | Rs. 10,714 | ..... |

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 22½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|---------------------|----------------------------------|--------------------|-----------------------------|---------------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the week ... | 17,907 | Rs. A. P. 4,332 1 0 | MDS. S. 3,696 20 | Rs. A. P. 131 13 0 | Rs. A. P. 7 10 0 | Rs. A. P. 4,491 7 0 | 913 | 55 | 968 |
| Or per mile of railway ... | ..... | 193 9 7 | ..... | 5 14 9 | 0 5 6 | 201 13 10 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... | 36,923 | 8,967 15 0 | 8,598 0 | 308 0 0 | 13 8 0 | 9,277 7 0 | 1,646 | 105 | 1,751 |
| Total for 3 weeks ... | 54,829 | 13,310 0 0 | 12,294 30 | 437 12 0 | 21 2 0 | 13,704 14 0 | 2,438 | 160 | 2,598 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 17,094 | 4,000 0 11 | 5,672 10 | 193 14 0 | 6 1 0 | 4,200 0 5 | 931 | 57 | 988 |
| Per mile of railway corresponding week of previous year ... | ..... | 179 12 5 | ..... | 8 11 3 | 0 4 5 | 189 12 3 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 64,447½ | 15,041 8 4 | 15,629 20 | 587 14 0 | 9 7 8 | 15,638 8 10 | 2,743 | 115 | 2,858 |

Errata.—Receipts per mile of railway shown in the approximate return for the first 12 days of July 1890 as for coaching Rs. 412-4-8 and for merchandise and mineral traffic Rs. 3-12-1 should be Rs. 402-4-8 and Rs. 13-12-1 respectively.

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| 22½ | Rs. 4,200 | Rs. 189 | 22½ | Rs. 4,401 | Rs. 202 | 22½ | Rs. 98,276 | Rs. 276 | 22½ | Rs. 99,087 | Rs. 275 | Rs. 811 | ..... |

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for first 12 days of July 1890, on 767 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated), including steam-bent. | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|--------------|---|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 12 days ... | 310,850 | 1,18,080 0 0 | 7,01,840 0 | 1,36,630 0 0 | 22,530 0 0 | 2,77,840 0 0 | 34,183 | 52,130 | 91,093 |
| Or per mile of railway ... | 203 | 77 0 0 | 468 0 | 89 0 0 | 29 0 0 | 168 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 2 weeks ... | 310,850 | 1,18,080 0 0 | 7,01,840 0 | 1,36,630 0 0 | 22,530 0 0 | 2,77,840 0 0 | 34,183 | 52,130 | 91,093 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 12 days of previous year ... | 315,010 | 1,21,016 0 0 | 8,50,303 0 | 1,36,780 0 0 | 23,255 0 0 | 2,81,053 0 0 | 43,568 | 43,712 | 87,280 |
| Per mile of railway corresponding period of previous year ... | 211 | 81 0 0 | 560 0 | 92 0 0 | 31 0 0 | 176 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 315,010 | 1,21,016 0 0 | 8,50,303 0 | 1,36,780 0 0 | 23,255 0 0 | 2,81,053 0 0 | 43,568 | 43,712 | 87,280 |

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

| RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 13TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 13TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|--------------|------------------|--|--------------|------------------|---|-----------------|------------------|---|-----------------|------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | Rs. | Rs. |
| 767 | Rs. 2,81,053 | Rs. 188 | 767 | Rs. 2,77,840 | Rs. 181 | 681 | Rs. 24,16,404 | Rs. 236 | 758 | Rs. 25,65,214 | Rs. 235 | Rs. 1,41,720 | Rs. |

* Audited up to week ending 31st May 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for first 12 days of July 1890, on 125 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for first 12 days ... | 56,282 | 18,290 0 0 | 28,520 0 | 3,530 0 0 | 240 0 0 | 22,050 0 0 | 6,211 | 3,628 | 9,739 |
| Or per mile of railway ... | 225 | 73 0 0 | 236 0 | 14 0 0 | 1 0 0 | 88 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 2 weeks ... | 56,282 | 18,290 0 0 | 28,520 0 | 3,530 0 0 | 240 0 0 | 22,050 0 0 | 6,211 | 3,628 | 9,739 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 12 days of previous year ... | 61,874 | 19,386 0 0 | 63,978 0 | 3,911 0 0 | 123 0 0 | 23,420 0 0 | 6,472 | 4,123 | 10,594 |
| Per mile of railway corresponding period of previous year ... | 247 | 78 0 0 | 236 0 | 16 0 0 | ..... | 94 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 61,874 | 19,386 0 0 | 63,978 0 | 3,911 0 0 | 123 0 0 | 23,420 0 0 | 6,472 | 4,123 | 10,594 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

| RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 13TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 13TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|------------|------------------|--|------------|------------------|---|-----------------|------------------|---|-----------------|------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | Rs. | Rs. |
| 125 | Rs. 23,420 | Rs. 94 | 125 | Rs. 23,420 | Rs. 88 | 125 | Rs. 2,03,976 | Rs. 106 | 125 | Rs. 1,99,564 | Rs. 101 | Rs. | Rs. 15,712 |

* Audited up to week ending 31st May 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for first 12 days of July 1890, on 86 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|--|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 12 days | 27,350 | 8,330 0 0 | 21,780 0 | 2,190 0 0 | 150 0 0 | 10,670 0 0 | 4,172 | 1,182 | 5,354 |
| Or per mile of railway | 159 | 48 0 0 | 127 0 | 13 0 0 | 1 0 0 | 62 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 2 weeks | 27,350 | 8,330 0 0 | 21,780 0 | 2,190 0 0 | 150 0 0 | 10,670 0 0 | 4,172 | 1,182 | 5,354 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 12 days of previous year | 27,046 | 8,015 0 0 | 41,937 0 | 1,385 0 0 | 667 0 0 | 10,067 0 0 | 4,624 | 1,184 | 5,808 |
| Per mile of railway corresponding period of previous year | 162 | 47 0 0 | 244 0 | 8 0 0 | 4 0 0 | 59 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 27,046 | 8,015 0 0 | 41,937 0 | 1,385 0 0 | 667 0 0 | 10,067 0 0 | 4,624 | 1,184 | 5,808 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

| RECEIPTS FOR FIRST 12 DAYS OF JULY 1889. | | | RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 86 | 10,067 | 59 | 86 | 10,670 | 62 | 86 | 81,346 | 65 | 86 | 92,274 | 72 | 7,928 | ..... |

* Audited up to week ending 31st May 1890.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for first 12 days of July 1890, on 27.25 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|--|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 12 days | 6,070 | 2,100 0 0 | 28,490 0 | 1,500 0 0 | 20 0 0 | 3,620 0 0 | 1,000 | 775 | 1,775 |
| Or per mile of railway | 111 | 39 0 0 | 523 0 | 27 0 0 | ..... | 66 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 2 weeks | 6,070 | 2,100 0 0 | 28,490 0 | 1,500 0 0 | 20 0 0 | 3,620 0 0 | 1,000 | 775 | 1,775 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 12 days of previous year | 5,903 | 2,245 0 0 | 16,595 0 | 1,159 0 0 | 34 0 0 | 3,418 0 0 | 1,022 | 729 | 1,744 |
| Per mile of railway corresponding period of previous year | 108 | 41 0 0 | 321 0 | 21 0 0 | 1 0 0 | 63 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 5,903 | 2,245 0 0 | 16,595 0 | 1,159 0 0 | 34 0 0 | 3,418 0 0 | 1,022 | 729 | 1,744 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

| RECEIPTS FOR FIRST 12 DAYS OF JULY 1889. | | | RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 13TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27½ | 3,418 | 63 | 27½ | 3,630 | 66 | 27½ | 26,967 | 71 | 27½ | 28,766 | 70 | ..... | 201 |

* Audited up to week ending 17th May 1890.

TIRHOOT AND BENGAL AND NORTH-WESTERN RAILWAY.

(TIRHOOT SECTION.)

Approximate Return of Traffic for the first 12 days of July 1890, on 315 (a) miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated), including steam-boat. | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|------------|---|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the period on 315 miles open ... | 60,959 | Rs. 21,115 | Mds. 2,54,102 | Rs. 26,253 | Rs. 8,027 | Rs. 50,995 | 8,523 | 11,578 | 20,100 |
| (Or per mile of railway ...) | 194 | 67 | 807 | 83 | 8 | 160* | ..... | ..... | ..... |
| For previous weeks of half-year ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for one week ... | 60,959 | 21,115 | 2,54,102 | 26,253 | 8,027 | 50,995 | 8,523 | 11,578 | 20,100 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding period of previous year on 273 miles open | 81,634 | 30,285 | 3,76,374 | 31,643 | 6,236 | 68,166 | 9,224 | 10,815 | 20,039 |
| Per mile of railway corresponding week of previous year ... | 299 | 111 | 1,379 | 116 | 1 | 228* | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 81,634 | 30,285 | 3,76,374 | 31,643 | 6,236 | 68,166 | 9,224 | 10,815 | 20,039 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

(a) Due to opening of Sitamarhi Extension up to Sitamarhi (44 miles beyond Durbhanga) for goods traffic only.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot Section.

| RECEIPTS FOR FIRST 13 DAYS OF JULY 1889. | | | RECEIPTS FOR FIRST 12 DAYS OF JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 15TH JULY 1889. | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 15TH JULY 1890. | | Total increase in 1890-91. | | Total decrease in 1890-91. | |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---|----------------------|----------------------------|---------------------------|----------------------------|-----------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. |
| 273 | 68,166 | 250 | 315 | 50,995 | 162 | 273 | 5,60,487 | 163 | 277*89 | 6,48,639 | 167 | 62,352 | ..... |



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 6, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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RESOLUTION ON THE ANNUAL REPORT ON THE CALCUTTA MEDICAL INSTITUTIONS FOR THE YEAR 1889.

RESOLUTION.

MEDICAL.

Dated Calcutta, the 30th July 1890.

READ—

The Report on the Calcutta Medical Institutions for 1889.

Read also—

The Report for 1888 and the Resolution recorded upon it.

1. The year 1889 was not remarkable for any great increase or decrease in the recorded mortality; but it is necessary to bear in mind that changes have been recently made in the boundaries of the Suburbs, and that the figures relating to this area cannot be accurately compared with those for former years. The number of deaths from cholera in Calcutta and Howrah was far less numerous than in 1888, and in the Suburbs the decrease in the figures has been so large as to justify the belief that, even allowing for the change in boundaries, there was a real and substantial decrease in the actual prevalence of the disease. The mortality from small-pox, which in the years 1886, 1887 and 1888, had been trifling in comparison with that of former years, suddenly increased, though not sufficiently to cause serious anxiety. The death-rate from all causes in the town was 26.9, as against 26.97 in 1888, and in Howrah 22.71, against 21.68.

2. The following table shows the number of persons treated, as in-door or out-door patients, in the several hospitals during the past two years:—

| | 1889. | | | | 1888. | | | |
|-------------------------------|----------------|-----------|---------|----------------------------|----------------|-----------|---------|----------------------------|
| | TOTAL TREATED. | | | Died per mille of treated. | TOTAL TREATED. | | | Died per mille of treated. |
| | In-door. | Out-door. | Total. | | In-door. | Out-door. | Total. | |
| Medical College Hospital ... | 6,695 | 80,182 | 86,877 | 100.00* | 8,164 | 45,808 | 53,972 | 102.1* |
| General Hospital ... | 3,100 | ... | 3,100 | 30.81 | 2,008 | ... | 2,008 | 87.39 |
| Mayo Institutions ... | 2,278 | 137,419 | 139,697 | 126.06 | 2,833 | 174,769 | 177,602 | 97.49 |
| Campbell Hospital ... | 8,352 | ... | 8,352 | 208.95 | 6,407 | ... | 6,407 | 315.04 |
| Municipal Police Hospital ... | 1,432 | ... | 1,432 | 8.23 | 2,785 | ... | 2,785 | 10.06 |
| Total Calcutta Hospitals ... | 22,657 | 147,601 | 170,258 | 119.01* | 21,227 | 220,576 | 241,803 | 116.82* |
| Howrah General Hospital ... | 1,313 | 9,809 | 11,122 | 217.44 | 1,385 | 10,522 | 11,907 | 242.03 |
| GRAND TOTAL ... | 24,330 | 157,410 | 181,740 | 120.18* | 22,612 | 231,104 | 253,716 | 124.02* |

* reckoned on cases treated, exclusive of cases treated in the ophthalmic ward of the Medical College Hospital.

The increase in the number of in-door patients, although distributed among all the charitable institutions, except the Mayo Hospital and its dependencies, was very considerable in the Campbell Hospital, which is resorted to by paupers, and is attributed by the Inspector-General of Civil Hospitals to the high price of food-grains which prevailed in Calcutta and the surrounding districts for a great part of the year. The falling off in the number of out-door patients amounts to 37,350 in the Mayo Hospital, and is said to be due to the operation of a new rule under which the institution is closed on Sundays. Dr. Hilson takes exception to this practice, and remarks that it should not have been introduced without the sanction of Government, as it is likely to lead to great confusion in the preparation of annual statistics. This no doubt is true, but the point is not one in which the Government need interfere with the discretion of the Governors of the Mayo Hospital. In Howrah there was a decrease of 916 in the attendance of out-patients. In reference to the action of the Superintendent of the Howrah Hospital in refusing medicine and medical attendance to well-to-do out-patients, the Inspector-General observes that, "although some such restriction on the attendance of people of this class is much to be desired, the change should not be introduced without the sanction of Government, and, if made at all, it should be applicable to other charitable medical institutions in Calcutta." In this connection the attention of the Inspector-General will be drawn to the orders of Government contained in circular No. 1, dated the 1st January 1880, directing that, in the case of hospitals and dispensaries at the Presidency and in the Suburbs, where there are druggists' shops, and where advice and medicines can be obtained otherwise than at charitable institutions, out-door relief shall be, as far as possible, restricted to those whose circumstances do not admit of their seeking and obtaining it elsewhere on payment. These orders are moreover applicable to other hospitals in Calcutta and its suburbs.

3. Only 31,338 women and 51,439 children were treated in the various institutions to which the report refers in 1889 as compared with 36,030 women and 59,404 children in 1888. This falling off is undoubtedly due in no small measure to the very successful management of the Lady Dufferin Hospital by Mrs. Foggo. The death-rate in all Hospitals, excluding the Eye Infirmary, rose from 124 to 126, the rates for the Campbell and Howrah Hospitals, where paupers are treated, and into which many moribund and incurable cases are admitted, being, as usual, very high. Though the general death-rate was slightly higher than in the preceding year, which again showed a slight increase on the years 1887 and 1888, it was still much below the average of the years 1879—85.

4. Whatever form of treatment was adopted in cholera cases, about half the patients died, and the Lieutenant-Governor regrets to learn that the experiments made with the new remedy, salol, which has been tried with success by Dr. Nicholson in Patna, were not followed by encouraging results. Cases of enteric fever still continue rare in Calcutta, and remittent fever appears to be on the decrease.

5. There were 1,143 admissions for venereal diseases, against 1,064 in the previous year. In commenting on these figures, Dr. Hilson observes:—

"It should be borne in mind that the figures represent only the in-door patients, and that many more cases were treated either in the voluntary lock-

hospitals or in the out-door department of the other hospitals. Hitherto the system of classifying these affections has been extremely faulty, owing to the absence from the printed returns of any heading for venereal diseases other than those in group A, and the consequence has been that a large proportion of cases have been entered under other headings, and have not been taken into account when estimating the prevalence of venereal disease. This circumstance was pointed out during the year to the Government of India, with the result that the insertion of a heading as above mentioned has now received official sanction, and in future it will be possible to draw more correct conclusions regarding the extent to which these affections are prevalent."

6. The number of important surgical operations in the Calcutta institutions rose from 1,719 in 1888 to 1,926, and the minor operations from 20,264 to 20,933. There were 80 deaths after operation, the rate of mortality being 39 per mille (including the cases left over from the previous year) as compared with 46 per mille in 1888. The Lieutenant-Governor agrees with the Inspector-General in considering that these results are satisfactory evidence of the skill of the operators and of the care taken of the patients.

7. On the subject of entrusting a larger number of surgical operations to House Surgeons and senior students, Dr. Hilson observes:—"The Medical College Hospital is designed primarily for the treatment of the sick, but it is also intended for the practical instruction of natives in medicine and surgery, and it seems to me that more opportunities of performing operations might be given to the House Surgeons and advanced students. To the want of such opportunities is to be traced in some measure the small amount of surgical work performed in Bengal by Assistant Surgeons after they leave the College and begin to practise in the districts. I know it has been urged that House Surgeons and senior students in the large English Hospitals are only allowed the privilege of operating on patients to a very limited extent, and that the high reputation which the Medical College Hospital at present enjoys might suffer if a different course were followed, and many operations were performed by inexperienced and unskilful hands. To this it may be replied that India is not England, that the Indian student requires a more practical training than his English *confrère* to fit him for the active duties of his profession, and that there is no necessity to entrust him with other than the more simple operations, which might be satisfactorily performed under the immediate supervision of the senior officers of the surgical wards. At the Mayo Hospital, Lahore, the Assistant Surgeons and senior students are allowed to perform a considerable number of the major operations every year, and this system of training the students and enabling them to acquire confidence in their own capabilities does not seem to detract in any way from the usefulness and reputation of that institution." Sir Stuart Bayley would commend these observations to the careful consideration of the Medical College Council.

8. In the Eden Hospital 2,435 women and children were treated against 2,668 in the previous year, showing a decrease of 233 cases. Owing to want of accommodation when the building was under repairs, many applicants had to be refused admission. Of the 2,435 patients treated, 832 were Europeans and 1,603 natives. The deaths among the former amounted to 29, and among the latter to 56. The number of confinement cases fell from 513 in 1888 to 497; the mortality among this class of patients being 18 against 20 in 1888. The very few cases of septicæmia which occurred in the Hospital show that antiseptic precautions were carefully enforced in all cases of labour. The importance of these precautions has been fully impressed on the nurses, and it is hoped that no pains will be spared to eliminate this dangerous and fatal disease. The steam laundry sanctioned for this institution is not yet ready for use, owing to some delay in fitting it with the requisite machinery. Certain alterations made by Dr. Joubert in the classification of obstetric and gynaecological operations, are likely to produce some confusion in the annual returns, but appear, at the same time, to be unavoidable, as, in the absence of any recent orders on the subject, difficulty is often experienced in the classification of these operations. With a view to ensure one uniform system in the different hospitals, the Inspector-General suggests that the classification sanctioned in the Resolution of the Government of India, No. 129, dated the 21st February 1877, should be revised. The Lieutenant-Governor agrees in these remarks, and will consult

the Inspector-General of Civil Hospitals with a view to formulating the alterations which may be recommended to the Government of India.

9. In the Ezra Hospital 1,438 out-patients and 236 in-patients, most of whom were Jews, were treated during the year. Of the in-door patients 153 were cured, 43 relieved, 26 otherwise discharged, and 3 died. These figures show that the benefits conferred by this institution are fully appreciated by the Jewish community.

10. The Lieutenant-Governor is glad to find that the nurses employed in the hospitals continue to discharge their duties thoroughly and well, and has read with great pleasure the high praise accorded by Dr. Hilson to the ladies of the Clewer Sisterhood in speaking of the indefatigable services rendered by them in supervision and in tending the sick. Four permanent nurses were appointed this year to the Eden Hospital, as it was considered dangerous to rely exclusively on temporary nurses, many of whom do not possess sufficient experience in the work. Twelve European and Eurasian nurses passed their examination, two of them with great credit.

11. The invested capital of the Calcutta institutions shows a decrease of Rs. 8,500; securities to the value of Rs. 12,000 were withdrawn, and applied to the construction of a new moribund ward in the native department of the Howrah Hospital. The total income during the year, including the opening balance, amounted to Rs. 5,21,390; of this sum Rs. 3,46,858 were contributed by Government. The total expenditure, excluding the amount invested, was Rs. 5,01,970, against Rs. 4,27,082 in 1888. The increase was mainly due to a large expenditure on buildings and repairs in the Campbell Hospital, while the increase in the amount contributed by Government is due to the entire cost of the Police Hospital having been met from Provincial Funds. The Inspector-General remarks that the Calcutta Municipality contributed nothing towards the Mayo institutions, and that it is time to consider whether, in view of the fact that Government has undertaken all charges on account of Calcutta Police, the Municipality should not relieve the Government of its contribution towards the medical charities of the city. It has already been pointed out to Dr. Hilson that the entire relief afforded to the Municipality by the reduction of police estimates is hypothecated to the improvements of the Suburbs, and that, so far as this argument is concerned, it affords no ground for asking the Municipality to undertake all charges on account of the medical relief of the town.

12. The thanks of Government are due to Dr. Hilson for his careful and interesting report.

ORDER—Ordered that a copy of the Resolution, with a copy of the Report, be submitted to the Government of India for information.

Ordered also that a copy of the Resolution, be forwarded to the Inspector, General of Civil Hospitals for information and guidance; that a copy of the Resolution, and of the Report, be forwarded to the Chairman of the Calcutta Corporation and to the Commissioner of Police, Calcutta, for information, and that a copy of the Resolution be forwarded to the Governors of the Mayo Hospital and to the Commissioner of Burdwan for information.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

C. C. STEVENS,

Offg. Chief Secretary to the Govt. of Bengal.

RESOLUTION ON THE INLAND EMIGRATION REPORT FOR THE
YEAR 1889.

GENERAL DEPARTMENT—INLAND EMIGRATION.

Calcutta, the 31st July, 1890.

RESOLUTION.

READ—

The Report of the Superintendent of Emigration, Calcutta, No. 937, dated 30th April, 1890, on Inland Emigration for the year 1889.

Emigration to Assam is now conducted on three different systems, which work on lines so distinct that it is convenient to deal separately with the facts and figures as to each set forth in the report. That first established, of transmission by contractors, contemplates full supervision by Government over the character of recruiters, the execution of labour contracts, and the sanitary arrangements for the journey. Under it 1,835 labourers were engaged during the year 1889, of whom only 1,442 actually started, a number small by comparison with the results obtained on the rival systems, but considerably greater than that returned for the previous year. The increase is attributed by the Superintendent of Inland Emigration to the opening of a new depôt; and it is also to be remembered that there has been a reaction among exporters of labourers in favour of increased control by Government in this department. Eighty-two recruiters were licensed during the year, a number which appears large, as the majority of the emigrants engage in the 24-Pergunnahs and Burdwan, where they are strangers, having in all probability been really recruited in their own districts by men who have not taken out licenses. Two licenses were cancelled for very sufficient reasons. The number of desertions is considerable (168), as also that of discharges from depôt (132), and they suggest that the original work of selection was not performed with sufficient care in the interest of employers. The mortality—4 persons in depôt, or .27 per cent., and 3 persons on the journey, or .17 per cent.—is not excessive. It is, indeed, clear that under this system every sanitary precaution is taken, and that in this respect it works satisfactorily, whatever its drawbacks in other directions. The contractors' coolies, whether bound for the Surma Valley or for Assam Proper, follow the Goalundo route only.

2. In the case of labourers engaged by garden sirdars, the employer is primarily responsible for the character of the recruiter, and the arrangements for healthy depôts are less elaborate; but Government supervises the execution of labour contracts and the general arrangements for the journey. The number of labourers engaged by garden sirdars was 10,822, against 12,225 in 1888, a decline which, as the Superintendent observes, is undoubtedly due to the exceptional facilities afforded by the system of Assam contracts. The number of desertions is not known, or the total mortality, as the rule requiring the return of the way-bills which would afford information on these heads, is still very generally neglected. But such way-bills as have been received back from Cachar and Sylhet show that the losses on that route have been very great, 80 deaths having occurred among 2,564 emigrants, being 3.97 per cent. of the whole. This Government is at present in correspondence with the Assam Administration on the subject of effecting improvements on the sanitary supervision over emigrants to the Surma Valley.

3. The great majority of the emigrants proceed under the free system, that is to say, without supervision on the part of the State. Of these, 44,401 arrived during the year in Assam, making, with the members of the classes referred to above, a total of 57,058. The emigrants classed as "free" in the Bengal returns generally execute contracts under Act I of 1882 on entering Assam. Of 28,948 of this class of emigrants who passed through Dhubri, all but 780 made such engagements there. A certain amount of sanitary supervision is now exercised over emigration of this class under Bengal Act I (B.C.) of 1889, and the opinions expressed as to the working of that measure are all favourable.

The present report, though it does not show any outbreak of cholera, such as that which occurred on the railway route to Dhubri in 1886, still bears witness to a heavy mortality on that line, which indicates the necessity of increased precautions.

4. The Superintendent notices the fact that a rule was introduced during the year to ensure the provision of a cooked meal for emigrants at Parbatipore, a matter to which the Lieutenant-Governor attaches great importance. As has been indicated by the Magistrate of Rungpore, the rules on the subject of the food to be supplied on the railway journey are not enforced with sufficient strictness, the agents do not seem to be always aware of their responsibility in the matter, and the subordinate medical officers who inspect at certain stations do not notice instances of neglect. Since the close of the year a rule has been passed definitely imposing this duty on such officers. The Superintendent notices the following sanitary measures among others adopted during the year:—

“The supervision of the medical establishments provided for coolies at Kurigram and Kaunia was entrusted to the Medical Officer in charge of the Eastern Bengal State Railway. In the early part of the year the Lieutenant-Governor had under consideration the circumstances connected with the outbreaks of cholera among emigrants on their way to Assam and the means best calculated to check such epidemics.

In addition to the arrangements already sanctioned, viz.—

the remedying of the sanitary defects of the depôts at Raneegunge and in Chota Nagpore;

the construction of a cholera shed at, and the deputing of medical establishment to, Kurigram;

the transference of the medical agency from Magra to Naihati;

arrangements for the proper treatment of emigrants travelling by rail;

report by telegram of cases of cholera on the railway line, and at Goalundo for cases occurring on steamers,

it was further ordered that the private depôts in Calcutta and Raneegunge be inspected and sanitary defects remedied; that arrangements be made at Raneegunge for the disposal of the dead; that a cholera hospital be built at Raneegunge, and a medical officer be deputed to the Raneegunge and Sealdah Railway stations to examine emigrants and prevent those infected starting, and to ascertain the depôt from which the infected coolies came.

Similar inspection and medical assistance to the sick were afterwards ordered at Parbatipore, and it was arranged that the number of coolies to be despatched from stations on the East Indian Railway should be limited to 320 daily; that the carriage of coolies by goods train be discontinued, and the conveyance of coolies in goods wagons be not allowed until suitable wagons had been approved of by a Committee.

The Resolution of the 3rd September, 1889, sanctioned—

- (1) The posting of a Civil Hospital Assistant to the charge of the coolie depôt at Raghunathpore in the Manbhoom district.
- (2) The construction at Raghunathpore of a cholera mat hospital and the sinking of a masonry well.
- (3) The adoption of similar measures at the municipal town of Jhaldah in Manbhoom.
- (4) The placing of the Assistant Surgeon of the Giridih sub-division in charge of all the coolie depôts there, and the construction at that place of a cholera mat hospital, also to be in charge of that officer; an extra allowance of Rs. 20 being granted him on this account during the recruiting season.
- (5) The adoption of similar arrangements at the sub-division of Govindpore, an extra allowance of Rs. 10 being likewise granted to the Civil Hospital Assistant during the recruiting season.
- (6) The appointment of the Assistant Surgeon at Sara on a special allowance of Rs. 20 per mensem, with a compounder on a salary of Rs. 8 per mensem, to supervise the sanitary arrangements of rest-houses there.

A Committee having been formed to consider the question of the use of goods wagons for the conveyance of coolies, certain pattern wagons with improvements in ventilation and as to inlet and exit for passengers were inspected at Kaunia and pronounced suitable for coolies, and the use of such wagons was sanctioned.

A uniform fee of eight annas per head was directed to be charged for the treatment of sick coolies of all classes in railway hospitals.

In November last the inspection at Goalundo before embarkation of all casual coolies proceeding to Assam by the Assistant Surgeon of Goalundo, and the adoption of the arrangements as regards duration of halt and food, which were prescribed for coolies proceeding *via* Dhubri, was ordered."

5. The general working of Act I of 1882 has to be separately reviewed during the current year, under the orders of the Secretary of State, and it therefore seems unnecessary to comment on this subject at present. Surgeon-Major Comins, the Superintendent of Inland Emigration, has administered the department with much discretion, and the successive Commissioners of Chota Nagpore (Mr. Stevens and Mr. Grimley) have given much attention to the subject, which is of great importance in that division. Mr. Skrine, Magistrate of Rungpore, also deserves mention for his attention to the sanitary requirements of emigrants passing through his district.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

**ADMINISTRATION REPORT OF THE METEOROLOGICAL
DEPARTMENT, 1889-90.**

The following report is published for general information.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

The 30th July 1890.

Secretary to the Govt. of Bengal.

In accordance with the orders of Government the reports submitted during the past two years have given information regarding the more important changes and working in the department, the full details being reserved for the triennial report, which it is now my duty to prepare. The information given by Mr. Pedler, in his reports for the two past years, regarding the changes carried out in extending the Storm Signal Service, and also regarding the extensive system of changes effected by Mr. Eliot at the commencement of 1889, has been full and complete, and as it is therefore unnecessary that I should repeat the information, I shall confine my attention to the details concerning the ordinary working of the department.

The department was under Mr. Pedler's charge during the past year, with the exception of the period between 5th August and 29th October, when he was on leave. During these months I officiated for him.

The system of work commenced in 1889 has been maintained, and as the changes and improvements then carried out were very thorough, the work of the department has gone on smoothly throughout the past year, and no change of any sort has been required.

One observatory, viz., that at Tezapore in Assam, had to be closed during last year. On the 16th March 1889 the observer reported that the lock of the cage containing the thermometers had been broken open and all the thermometers stolen. As this observatory had not been working satisfactorily for some time, it was decided by the Meteorological Reporter to the Government of India not to issue new thermometers, but to close the observatory.

On the other hand, a new observatory has been started at Mozufferpore in Bengal. In June 1889 it was represented that regular meteorological observations from this station would be of great service to the indigo-planting community, and after due enquiry on this point, Babu C. C. Chatterjee was deputed to select a site and make other arrangements to establish a regular meteorological observatory at Mozufferpore. The best available site was selected, an observer appointed and trained, and with the assistance of the Executive Engineer, Mr. Norman, the shed, &c., were constructed. The Magistrate kindly consented to act as Superintendent of the Observatory. When everything was ready, Mr. Pedler visited Mozufferpore, and, as he found all in a very satisfactory condition, ordered the commencement of the regular work of observation. The first report received was on the 3rd April 1890.

The following table gives the number of stations reporting observations to this department during the past three years:—

| 1887-88. | | | 1888-89. | | | 1889-90. | | |
|---|-----|----|---|-----|----|---|-----|----|
| 1st Class Imperial | ... | 1 | 1st Class Imperial | ... | 1 | 1st Class Imperial | ... | 1 |
| 2nd " " | ... | 2 | 2nd " " | ... | 15 | 2nd " " | ... | 15 |
| 3rd " " | ... | 49 | 3rd " " | ... | 35 | 3rd " " | ... | 35 |
| Other stations reporting for the Storm Warning Service only | ... | 10 | Other stations reporting for the Storm Warning Service only | ... | 11 | Other stations reporting for the Storm Warning Service only | ... | 10 |

Returns were also received from four voluntary observatories, viz., Tura, Demagiri, Shortt's Island, and Lungleh. The two last stations commenced observations from 1st April and 9th July 1889, respectively.

Vizagapatam is an independent observatory under the direction of Mr. A. V. Nursing Row, who has continued to favour this department with his observations which are received with great punctuality. The department is also now indebted to him for special storm telegrams, which he kindly sends us whenever required in response to our telegraphic request. The thanks of this department are therefore again due to Mr. Nursing Row for his continued valuable assistance in connection with the Bay of Bengal Storm Signal Service.

The following table gives a list of the observatories which have been working during the last three years, together with the names of the observers:—

Personnel of Observatories in Bengal and Assam during the years 1887-88, 1888-89, and 1889-90.

| | 1887-88. | | 1888-89. | | 1889-90. | | |
|--------------------------|---------------------------------------|-----------------|-----------------------------------|-----------------|---|-----------------|-------------------------------------|
| | Name of observers. | Allow- ance. | Name of observers. | Allow- ance. | Name of observers. | Allow- ance. | |
| <i>Second Class.</i> | | | | | | | |
| Akyab ... | J. J. Brown ... | 15 | J. J. Brown ... | 15 | J. J. Brown ... | 23 | B + C. |
| Borhampore ... | M. N. Roy ... | 15 | M. N. Roy ... | 15 | M. N. Roy ... | 18 | B. |
| Burdwan ... | M. P. Chowdhury ... | 15 | M. P. Chowdhury ... | 15 | M. P. Chowdhury ... | 18 | B. |
| Chittagong ... | M. McSwenny ... | 25 | M. P. Chowdhury ... | 15 | M. P. Chowdhury ... | 18 | B. |
| | J. E. Gabriel ... | 25 | P. C. Mookerjee ... | 25 | J. Mackenzie ... | 27 | B + C + D. |
| | J. D. McGregor ... | 25 | J. D. McGregor ... | 25 | W. Tocher ... | 27 | B + C + D. |
| Cuttack ... | F. Stone ... | 25 | F. J. Bennett ... | 25 | F. J. Bennett ... | 18 | B. |
| Dacca ... | F. J. Bennett ... | 15 | T. W. DeSouza ... | 15 | T. W. DeSouza ... | 18 | B. |
| Darjeeling ... | T. W. DeSouza ... | 25 | H. G. McLean ... | 25 | P. K. Vaughan ... | 25 | B + D + E. |
| | F. N. Rushton ... | 25 | P. K. Vaughan ... | 25 | B. N. Banerjee ... | 25 | B + D + E. |
| Dhubri ... | B. N. Banerjee, Head Observer. | 30 | B. N. Banerjee, Head Observer. | 30 | B. N. Banerjee ... | 25 | B + D + E. |
| | Kalyut Ulla, Assist- ant Observer. | 10 | A. K. Sen, Assistant Observer. | 10 | A. K. Sen ... | 10 | A. |
| Durbin ... | J. C. Banerjee ... | Volun- tary. | J. C. Banerjee ... | Volun- tary. | J. C. Banerjee ... | 10 | A. |
| False Point ... | J. Loudon ... | 20 | J. Loudon ... | 20 | J. Loudon ... | 23 | B + C. |
| Hazaribagh ... | Nuthoo Lal ... | 20 | Nuthoo Lal ... | 20 | Nuthoo Lal ... | 25 | B + D + E. |
| Patna ... | Surjan Singh ... | 20 | Surjan Singh ... | 20 | Surjan Singh ... | 18 | B. |
| Saugor Island ... | E. H. Peters ... | 45 | E. H. Peters ... | 45 | E. H. Peters ... | 45 | B + C + D + E (special case). |
| Sibsagar ... | D. D. Barua ... | 30 | D. D. Barua ... | 30 | D. D. Barua ... | 25 | B + E + F (special case). |
| Shohar ... | R. C. Bhadra ... | 15 | R. C. Bhadra ... | 15 | R. C. Bhadra ... | 20 | B + F. |
| <i>Third Class.</i> | | | | | | | |
| Arrah ... | S. C. Banerjee ... | 10 | S. C. Banerjee ... | 10 | P. E. Green ... | 10 | A. |
| Bilaspore ... | R. M. Das ... | 10 | R. M. Das ... | 10 | R. M. Das ... | 15 | A + C. |
| Bankura ... | B. N. Chatterjee ... | Volun- tary. | B. N. Chatterjee ... | Volun- tary. | B. N. Chatterjee ... | 10 | A. |
| Bhagalpore ... | J. C. Bhaduri ... | 10 | J. C. Bhaduri ... | 10 | B. L. Mitter ... | 10 | A. |
| Borra ... | Gangadhar Barik ... | 10 | Gangadhar Barik ... | 10 | Gangadhar Barik ... | 10 | A. |
| Burrisaul ... | K. N. Roy ... | 10 | K. N. Roy ... | 10 | K. N. Roy ... | 15 | A + C. |
| Buxar ... | B. N. Guha ... | 10 | B. N. Guha ... | 10 | B. N. Guha ... | 10 | A. |
| Chupra ... | K. P. Moitra ... | 10 | K. P. Moitra ... | 10 | K. P. Moitra ... | 10 | A. |
| Chyabasa ... | M. L. Sircar ... | 10 | M. L. Sircar ... | 10 | M. L. Sircar ... | 10 | A. |
| Coochada ... | O. J. M. Gaetano ... | 15 | O. J. M. Gaetano ... | 15 | O. J. M. Gaetano ... | 15 | A + C. |
| Cumilla ... | N. C. Biswas ... | 10 | B. N. Deb ... | 10 | B. N. Deb ... | 10 | A. |
| Cumilla ... | B. N. Deb ... | 10 | B. N. Deb ... | 10 | Abdus Samad ... | 10 | A. |
| Dehra ... | P. L. Sen ... | 10 | P. L. Sen ... | 10 | P. L. Sen ... | 10 | A. |
| Dinapore ... | Abdul Aziz Khan ... | 10 | Abdul Aziz Khan ... | 10 | Abdul Aziz Khan ... | 10 | A. |
| Farrukpore ... | N. C. Mosoomdar ... | 10 | N. C. Mosoomdar ... | 10 | N. C. Mosoomdar ... | 10 | A. |
| Gopalpore ... | E. L. Sen ... | 15 | J. Narain Moorty Nai- doo. | 15 | J. Narain Moorty Nai- doo. | 15 | A + C. |
| Gya ... | Mukund Lal ... | 15 | Mukund Lal ... | 15 | Mukund Lal ... | 10 | A. |
| Jessore ... | P. N. Roy Chowdhury ... | 15 | P. N. Roy Chowdhury ... | 15 | P. N. Roy Chowdhury ... | 10 | A. |
| Julpigore ... | B. M. Chatterjee ... | 10 | B. M. Chatterjee ... | 10 | P. K. Mosoomdar ... | 10 | A. |
| Krishnagar ... | P. L. Ghosh ... | 10 | P. L. Ghosh ... | 10 | K. C. Gangooly ... | 10 | A. |
| Madras (Port office) ... | M. L. Das ... | 10 | M. L. Das ... | 10 | B. B. Ghosh ... | 10 | A. |
| Malda ... | M. N. Seal ... | 10 | M. N. Seal ... | 10 | P. L. Ghosh ... | 10 | A. |
| Midnapore ... | C. Narain Swami ... | 10 | C. Narain Swami ... | 10 | J. K. Goncalves ... | 10 | A. |
| Mothbar ... | J. K. Chakravarti ... | 10 | S. C. Saha ... | 10 | M. L. Das ... | 10 | A. |
| Mymensingh ... | S. C. Saha ... | 10 | D. Conn ... | 10 | M. N. Seal ... | 10 | A. |
| Nellore ... | B. K. Sen ... | 10 | G. C. Gangooly ... | 10 | C. J. Clarke ... | 10 | A. |
| Noakhali ... | G. C. Gangooly ... | 10 | D. N. Mookerjee ... | 10 | Mohadood Perahad ... | 10 | A. |
| Nya Dooka ... | D. N. Mookerjee ... | 10 | M. Francis ... | 10 | S. C. Saha ... | 10 | A. |
| Pooroo ... | G. C. Chunder ... | 15 | G. C. Chunder ... | 1 | D. Conn ... | 15 | A + C. |
| Purneah ... | G. C. Chunder ... | 15 | G. C. Chunder ... | 1 | D. N. Mookerjee ... | 10 | A. |
| Rampore ... | G. C. Chatterjee ... | 10 | S. R. Roy ... | 10 | G. C. Pal ... | 10 | A. |
| Ranchi ... | E. T. Gangooly ... | 10 | S. R. Roy ... | 10 | D. N. Mookerjee ... | 10 | A. |
| Raneegunge ... | S. Mookerjee ... | 10 | S. Mookerjee ... | 10 | M. Francis ... | 15 | A + C. |
| Rangpur ... | E. K. Ghosh ... | 10 | E. K. Ghosh ... | 10 | G. C. Chunder ... | 10 | A. |
| Serajgunj ... | B. K. Bose ... | 10 | D. N. Gupta ... | 10 | J. N. Mosoomdar ... | 10 | A. |
| Tavoy ... | H. L. Seal ... | 10 | H. L. Seal ... | 10 | S. E. Banerjee ... | 10 | A. |
| Teapore ... | Mir Bahdar Ali ... | 15 | Mir Bahdar Ali ... | 15 | S. Mookerjee ... | 10 | A. |
| | N. O. Sarkar ... | 15 | Mup Lal ... | 15 | R. B. Ghosh ... | 10 | A. |
| | | | | | N. O. Pal ... | 10 | A. |
| | | | | | B. C. Mitra ... | 10 | A. |
| | | | | | H. L. Seal ... | 10 | A. |
| | | | | | D. C. Simpson ... | 15 | A + C. |
| | | | | | Observatory closed from 10th April 1890. | | |

Rs.
A.—Observers who take 8 A.M. observations... 10
B.— Ditto ditto 8 A.M., 10 A.M., and 4 P.M. observations... 15
C.— Ditto ditto storm observations... 5
D.— Ditto who are in charge of automatic wind instruments... 4
E.— Ditto who take special observations of sun thermometers... 3
F.— Ditto in charge of seismographs... 3

| | 1887-88. | | 1888-89. | | 1889-90. | | |
|---------------------|---------------------------------|------------|----------------------------------|------------|---|---------------------|---|
| | Names of observers. | Allowance. | Names of observers. | Allowance. | Names of observers. | Allowance. | |
| <i>Voluntary.</i> | | | | | | | |
| Demagiri ... | G. C. Bhar ... | Voluntary. | G. C. Bhar ... | Voluntary. | G. C. Bhar ... K. P. Kumar ... J. K. Sen ... S. C. Chatterjee ... N. C. Gupta ... | Voluntary. Ditto | Commenced observations from 6th July 1889. |
| Lungleh ... | ..... | ... | ..... | ... | ..... | ..... |  |
| Shortt's Island ... | ..... | ... | ..... | ... | W. Tasker ... | Ditto | Commenced observations from 1st April 1889. |
| Tora ... | { A Nyem ... B. K. Das ... } | Voluntary. | { N. R. Das ... A. Nyem ... } | Voluntary. | A Nyem ... | Ditto | |

NOTE.—The classification of observatories as given in this table dates from 1st January 1889. Previous to this date Dhubri and Saugor Island only were 2nd class, and the rest third class observatories. The allowance also was re-arranged, and from 1st January 1889 the allowance was fixed as given for the year 1889-90.

Inspection of observatories.—The following stations were inspected :—

| STATIONS INSPECTED. | 1887-88. | 1888-89. | 1889-90. |
|---------------------|---|---------------------------------------|---|
| | Date of inspection. | Date of inspection. | Date of inspection. |
| Akyab ... | 28th November 1887 ... | ..... | ..... |
| Arrah ... | ..... | 13th and 14th March 1889. | ..... |
| Bankoora ... | 21st to 23rd August 1887 | ..... | 4th April 1889. |
| Burrisaul ... | 4th January 1888 ... | ..... | ..... |
| Berhampore ... | 12th August 1887 ... | ..... | ..... |
| Bhagulpore ... | 9th and 10th August 1887 | 11th August 1888 ... | 20th and 21st August and 6th December 1889. |
| Bogra ... | ..... | 16th June 1888 ... | ..... |
| Burdwan ... | 13th August 1887 and 13th January 1888. | ..... | 12th to 15th August 1889 and 19th January 1890. |
| Buxar ... | ..... | 23rd October 1888 ... | ..... |
| Chittagong ... | 26th November 1887 ... | ..... | ..... |
| Chupra ... | 25th January 1889 ... | 24th March 1889 ... | 1st and 2nd September 1889. |
| Comillah ... | 10th January 1888 ... | ..... | ..... |
| Dacca ... | 12th January 1888 ... | 5th February 1889 ... | ..... |
| Darjeeling ... | 28th to 31st March 1888 | ..... | 14th to 17th October 1889. |
| Dhubri ... | 21st March 1888 ... | ..... | 22nd to 24th October 1889. |
| Dinagopore ... | ..... | 12th June 1888 ... | ..... |
| Durbhunga ... | 17th January 1888 ... | 22nd March 1889 ... | 23rd August 1889. |
| Furcedpore ... | 16th January 1888 ... | ..... | ..... |
| Gya ... | 26th to 29th January 1888 | 24th October 1888 ... | 6th September 1889. |
| Hazaribagh ... | ..... | ..... | 10th April 1889. |
| Jessore ... | 6th September 1887 ... | 24th June 1888 and 8th February 1889. | ..... |
| Julpigoree ... | 19th March 1888 ... | 5th, 6th, and 9th June 1888. | 19th October 1889 and 29th March 1890. |
| Krishnaghur ... | 18th March 1888 ... | 21st June 1888 ... | ..... |
| Maldah ... | 15th December 1887 ... | ..... | ..... |
| Midnapore ... | 22nd May 1887 ... | ..... | ..... |
| Motiharee ... | 16th January 1888 ... | 23rd March 1889 ... | 30th August 1889. |
| Mymensingh ... | 14th January 1888 ... | 3rd February 1889 ... | ..... |
| Noakhally ... | 5th to 7th January 1888 | ..... | ..... |
| Nya Doonka ... | 5th August 1887 ... | ..... | ..... |
| Patna ... | 26th March 1888 ... | 9th October 1888 ... | 5th and 6th September 1889. |
| Purneah ... | 18th and 19th December 1887. | ..... | 17th and 18th August 1889 and 30th March 1890. |
| Rampore Beaulah ... | ..... | 19th June 1888 ... | ..... |
| Raneegunge ... | 2nd August 1887 and 18th January 1888. | 26th October 1888 ... | ..... |
| Rungpore ... | ..... | 10th June 1888 ... | 20th October 1889 and 31st March 1890. |

Akyab—Was visited by Mr. Eliot in November 1887 to decide on the question of removing the observatory to a better site, made necessary by the erection of the new telegraph office building close to the thermometer shed. No very satisfactory site was available, but as it was very desirable to retain the observatory at the telegraph office, a new position about as far from the new telegraph office as the observatory was from the old office was chosen. The anemometer was continued at the old site, but the staging was raised to a height of about 36 feet above the ground.

Arrah—Was visited by Mr. Pedler on 25th March 1883. The instruments were all in good order except the barometer. A set of comparative readings made with a standard taken from Calcutta showed that the barometer was working sluggishly, though the correction had scarcely changed. Another barometer was supplied, and the old one sent back to Calcutta for verification. The observer was well qualified for his duties, and the general condition of the observatory very satisfactory. A second visit was made on the 13th and 14th March 1889 chiefly for the purpose of having the observatory transferred to the Telegraph office, as the observer was unable to take the observations at 8 A.M. A new site for the thermometer shed was selected, and it had the advantage of being more open than the previous position. The new site for the wind instruments, however, was not quite so good. Observations were first taken in the new positions on 1st April 1889.

Bunkoora—Observatory was inspected on 21st to 23rd August 1887 by the head clerk, and again on the 4th April 1889 by Mr. Pedler. At the time of the first visit the observatory was in a very unsatisfactory condition, the instruments being nearly all out of order, and the observer ignorant of the rules laid down for his guidance. The instruments were put right so far as was possible at the time, and the local overseer of road cess kindly undertook to see that the wind vane was properly set, and the Magistrate, that the observer made himself acquainted with his instructions.

The second visit was made shortly before 8 A.M., the hour for taking the observations, and the observer was found to attend punctually. The observatory was in very good order, all the instruments being clean, and properly set, with the exception of the wind vane, which was not quite perpendicular. The observer was slow in reading the barometer. The observatory was every way in a much better condition than at the previous visit.

Burrisaul—Observatory visited on 4th January 1888, was found to be in very good order. The observer read the instruments quickly and correctly, and kept them clean.

Berhampore—Was visited on the 12th August 1887. The observatory and instruments were in satisfactory order.

Bhagulpore—Observatory has been inspected four times during the past three years, two of the visits being very recent—in August of last year by Babu C. C. Chatterjee, Inspector of Observatories, and again by Mr. Eliot in December. When inspected on 9th and 10th August 1887 the instruments were found to be dusty, but otherwise in good condition.

In August 1889 the shed was found to be in want of repair, and an estimate was prepared for sanction. Comparative readings of the barometer were taken during the two days, with fairly satisfactory results. The thermometers were in good order, but the rain-gauge, anemometer, and wind vane were all unsatisfactory. The rain-gauge was not horizontal and only $6\frac{1}{2}$ inches above the ground, to remedy which a level masonry platform was ordered to be made. The wheels of the anemometer were worn and the wind vane was not working smoothly. Both instruments were replaced by new ones. When the observatory was started in 1883 there were some low trees in the neighbourhood of the wind instruments, and these were found to have grown so as to interfere with the free circulation of the air. At the instance of the Inspector the landlord kindly consented to have the trees cut down. When inspected by Mr. Eliot in December the trees had been removed and the exposure was quite satisfactory. In other respects the observatory was satisfactory, the orders given in August having been carried out. The observer is intelligent, but not very careful and his readings are hence occasionally doubtful.

Bogra—Observatory, inspected on 16th June 1888, was in very good order, various improvements having been made on the shed and a masonry platform made for the rain-gauge. Comparative readings taken with the Calcutta standard showed a very slight error in the station barometer.

Burdwan—Observatory was inspected on 13th August 1887, and again on 13th January 1888. On both occasions the instruments were in good order, and repairs, found necessary on the first visit, were carried out before the second. A new barometer had been supplied shortly before Mr. Pedler's visit on 13th January and comparative readings taken by him showed that the correction had not varied. Further inspection was not considered necessary.

till August 1889 when Babu C. C. Chatterjee went for the purpose of changing the positions of the instruments requiring good exposure, viz., the wind instruments and the rain-gauge. Arrangements were made for altering their positions, and the other instruments were inspected and found in very good order. Comparative readings of the barometer and thermometers were also taken. Objection was afterwards taken by the Civil Surgeon to the position fixed for the wind instruments as being too near the edge of the roof of the registry office building. He suggested that they should be fixed over one of the central walls, and to ensure that there would be no loss of exposure, Mr. Pedler went on the 19th January 1890 to examine the proposed sites. As he had no objection to the central position, the pillars were erected and the instruments removed there on 31st January. The height of the anemometer has been increased from 16 feet to 24 feet, and it can be easily reached for reading and oiling. The exposure is not altogether satisfactory, but it is the best that can be got in the neighbourhood. The fence made round the thermometer shed also encloses the rain-gauge, which is at least five feet from the fence.

Buxar—Was visited by Mr. Pedler on 23rd October 1888. The wet bulb thermometer had been broken the day before, but otherwise the thermometers were in good order. The barometer was not so satisfactory, the mercury in the cistern having become oxidised, and in the tube above the column the mercury was found to have evaporated and adhered in small drops to the glass. Being a Fortin's principle barometer, the evaporation did not affect its accuracy, but the possibility of condensation of mercury in this way is of the greatest importance in the use of instruments constructed on the Kew principle, as any readings taken from one in such a condition would be altogether worthless, a considerable unknown error being introduced. The anemometer was working well, but the wind vane, one of the Roorkee pattern, was working very heavily, chiefly from want of oil. The rain-gauge was rusty, holes having been eaten right through the outer tin case.

Chittagong—Has not been inspected since 1887, when Mr. Eliot found all the instruments in good order. The observer continued to give satisfaction until the last year, when Mr. Tocher, the present Telegraph Master, took over charge of the Chittagong Telegraph Office, who, considering his other duties required all his time, gave over charge to Mr. Mackenzie, a telegraph signaller, on the 1st of April 1889. According to the orders of the Director-General of Telegraphs, the signaller ought to have a thorough knowledge of the methods of reading the instruments and of preparing the code telegram, but Mr. Mackenzie has, throughout the period during which he has held the appointment of observer, made numerous mistakes, and, on the occasion of stormy weather in the neighbourhood of Chittagong in October of last year failed to be of the slightest assistance from his ignorance of the method of framing the telegram by means of the storm signal code used in forwarding additional observations. These observations were of the greatest importance, as any action taken in warning the port of Chittagong would have largely depended on them. This is only one of several cases that have lately occurred when the permanent observer has given over charge before his successor has acquired the necessary facility in reading instruments, or a competent knowledge of the working of an observatory. In some cases no fault can be found with the out-going observer, as his relieving officer may have come from a distance, and time not been available to give full instruction, or to see that he had previously acquired the requisite skill. This excuse cannot be applied in the Chittagong case, as Mr. Mackenzie had been a signaller there for some time, and had either from ignorance or carelessness disobeyed the order of the Director-General of Telegraphs.

In connection with this, I may mention that during the monsoon season last year, the Serajgunge observer went on leave, and his successor was so unqualified for the work and so unwilling to do it, that in the absence of any opportunity of instructing him, the observatory had to be closed until the permanent observer's return.

Later at the very end of the year 1889-90 there was a change of observers at Diamond Island, and the new observer supplied information so out of agreement with the other stations that there was no hesitation in rejecting all his observations. Unfortunately, while he was still on duty, the first storm of

the present season occurred in the near neighbourhood of that station, and knowing the character of his work, I was at a loss to say whether the storm was severe or not.

I have mentioned these three instances which have all occurred within six months to shew the risk of a partial failure of the storm warning system from a man of incompetent knowledge having to take over charge as observer. I understand that quite recently the Meteorological Reporter to the Government of India has been in communication with the Director-General of Telegraphs with a view to have the order revived, viz., that signallers make themselves thoroughly acquainted with the work so as to be able at short notice to assume the responsibility of supplying correct information.

Chupra—Was visited on the 25th January 1888 by Mr. Eliot. The observatory was in every way satisfactory, except that the observer had taken the readings by Madras time instead of local time. The correction for local time was given him, and the rain-gauge removed from the compound of the Road Cess Office to that of the circuit-house. The next visit made was by Mr. Pedler on the 24th March 1889, when he found the observatory in a disgraceful condition and the observer very careless in the performance of his duties. The instruments were found to be more or less out of order and the records very badly kept. Arrangements were then made to transfer the observatory from the Public Works Department to the Telegraph Department, and in September of the same year the Inspector of Observatories was sent to see the observatory started under the superintendence of the Telegraph Department, the Telegraph Master becoming observer. A new shed had been built on the grounds of the Telegraph Office, and some minor defects in it were pointed out and remedied as far as possible. The barometer was removed from the Collector's room to the signal-room, and the difference of level of the two positions ascertained. It was also arranged that the old observer should continue on duty for one month, so as to allow sufficient time for the telegraph master to become thoroughly acquainted with his duties.

Comillah—Observatory was inspected by Babu C. C. Chatterjee in January 1888. The permanent observer was away without leave, and the acting one did not understand his work. He was thoroughly drilled. The shed was in a shaky condition, but was repaired shortly after. The instruments were all found in good order, any small defects noticed being removed by the Inspector. But the position of the shed having been found faulty, another on a better site was built and comparative observations carried on for a year up to 30th April 1889. The observations from this observatory, more especially those of the barometer, are, however, frequently found to be erroneous.

Dacca—Was visited twice—by Babu C. C. Chatterjee on 12th January 1888 and by Mr. Pedler on 5th February 1889. The instruments were found in excellent order on both occasions, and the observer has in every way given satisfaction. The rain-gauge has given some trouble. At first it was apt to be flooded by the river, and Babu C. C. Chatterjee had it removed, but in its new position some neighbouring trees and the telegraph buildings sheltered it to such an extent that Mr. Pedler had to fix a new site.

Darjeeling—Observatory was in a satisfactory condition when visited by Mr. Pedler on 28th to 31st March 1888. The new Beckley's anemograph had just been erected, and the first difficulties got over, so that Mr. Pedler expected valuable results from the instrument. Though the wind velocity portion of the apparatus was working very freely at that time, it was very much out of order when the observatory was next inspected by Mr. Gilliland about the middle of October 1889. It worked only with winds of over ten miles an hour, and the adjustment of the direction recorder was also unsatisfactory. The part of the instrument exposed to the weather had suffered to such an extent during the previous eighteen months, that it had to be dismantled and thoroughly cleaned. The anemometer, wind vane, sun thermometers, and the barometer were also found to be somewhat defective, and were put right as far as possible.

Dhubri—Observatory inspected 21st March 1888 and 22nd to 24th October 1889. At the time of the first visit made by Mr. Pedler, the instruments were in good order with the exception of the anemometer, wind vane, and anemograph. The velocity part of the anemograph was working very freely, but that giving the direction record worked very heavily, and was so adjusted that the

direction given was the opposite of what it ought to have been. The defects were remedied, but as the anemograph house was undergoing repairs, it was impossible at that time to have the instruments thoroughly cleaned.

During the past year nearly all the observers in North Bengal were changed, and the new men being not thoroughly instructed in the reading of the instruments, advantage was taken of the October college vacation to send Mr. Gilliland to find out to what certain small errors, which were daily apparent, more especially in the readings of the barometer, were due. The observatories which urgently required this visit were Julpigoree, Rungpore, and Dhubri, and as these observatories are in the same part of the country, the observations taken at one frequently corroborated those of another though all the readings were unreliable. I may state that the errors usually made are of two kinds, one from careless reading of the scale, whereby the correct graduation is not taken though the instrument be properly adjusted; second, where the instrument is badly adjusted, but the reading otherwise correctly taken. The first is entirely due to carelessness on the part of the observer, and is generally punished by a fine, the second probably to ignorance, and it was to remove errors of the second kind that these observatories had to be visited. It was found that none of these observers know how to lower the vernier until it was just touching the column, and that they were also not in the habit of keeping the eye in a horizontal line with the top of the mercury. These faults are of the greatest importance because they occur so frequently in the case of new observers, and are only found out after the observer, who has given over charge, has left the station, so that there is no possibility of removing the errors except by sending some one from the head office. These remarks, though given under the head of Dhubri observatory, are equally applicable to Julpigoree, Rungpore, and some others. Though these errors were of daily occurrence during the monsoon, it will be seen in a table given below that very few errors of the other kind, that is the result of carelessness, have been made by the observer at Dhubri.

Dinagopore—Visited on 12th June 1888. The observatory was in good order, and the observer punctual in taking observations, but being at that time lately appointed, he was unable to read the barometer with accuracy. The method of adjustment was fully explained to him, and a series of readings taken which showed that the error of the barometer had not altered.

Durbhunga—Observatory was inspected on the 17th January 1888, and twice in 1889—on the 22nd March and 23rd August. The observatory remained a voluntary one till the 1st January 1889 when an allowance of Rs. 10 a month was made, though this was not full remuneration for the observations supplied according to the ordinary rate of payment of observers in the department. Just before the first visit the shed had been dismantled and the thermometers removed to a room in the hospital, and they remained there till very recently when a new shed was finally erected. During this interval the thermometer readings were worthless, as they gave the temperature of the room and not that of the open air, and they have therefore been rejected in forming averages. The instruments were generally found to be dusty, but the barometer, though old, was capable of giving accurate readings.

Furreedpore—Observatory, visited on the 16th January 1888, was found to be in fair condition, but the observer was in want of instruction on the adjustment of the barometer.

Gya—Observatory, when inspected from 26th to 29th January 1888 by Mr. Eliot, was in fair condition. The rain-gauge and anemometer wanted repair or renewal, but the thermometers were in good condition. The chief object of the visit was to find out the cause of the discrepancies in the barometer readings, and after a series of comparative readings it was found that the correction was $\cdot 016$ inch instead of $\cdot 003$ inch, as obtained at Alipore. When next visited on the 24th October 1888, it was necessary to make arrangements for moving the instruments nearer the new cutcherry. The wind instruments were fixed on the highest part of the roof of the cutcherry parapet, and the thermometer shed was placed in an open space near the treasury guard. The instruments were all found to be in good order. In September 1889 the observatory was again found to be in good condition, except that the barometer tube had become loose in the case, but the error resulting was inappreciable.

Hazaribagh—Observatory was inspected on 10th April 1889 mainly for the purpose of arranging for the mounting of the new Beckley's anemograph. The instruments, records, and thermometer shed were all in excellent condition. "Arrangements were made in consultation with Dr. Moorhead and the Public Works Department subordinates as to strengthening the anemograph house to receive the new instrument." Though all preliminaries were then seen to, the work was never carried out by the Public Works authorities, and as a Beckley's anemograph was lately urgently required at Allahabad, Mr. Eliot ordered the transfer of the one at Hazaribagh, so that no further anemograms will be received from this station.

Jeasore—Observatory was inspected three times, and on each occasion was in fairly good order, but when visited by Mr. Pedler on the 8th February 1889 the observer was twelve minutes late in arriving to take the observations, a matter of considerable importance, as at 8 A.M., all the meteorological elements are rapidly changing.

Julpigoree—Observatory, when inspected by Mr. Pedler in March 1888, was in a most unsatisfactory condition, the observer having taken leave without informing the Calcutta office, and left his duties to be performed by a man very ignorant of the methods of adjusting and reading the instruments. On Mr. Pedler's recommendation the observatory was transferred to the local post office, and with the consent of the Postmaster-General, the Postmaster was appointed observer. Babu C. C. Chatterjee was sent in June of the same year to train the new observer and to select the most suitable positions for the thermometer shed, the barometer and the wind instruments. A change of observers was made in the following year, and from that time very unsatisfactory reports were made for the reason already stated in connection with Dhubri observatory. After Mr. Gilliland's visit the barometer readings were more satisfactory, but those of the maximum thermometer have still been unreliable from the observer's failing to understand the method of setting the instrument after reading.

Krishnaghar—Observatory was inspected twice during 1888, and was found in satisfactory condition.

Maldah—Was visited in December 1887, the readings reported being unreliable. The instruments were in very bad order, and the observer unable to read them with accuracy. He received full instructions as to the method of procedure, and has continued since then to give more satisfaction, but, as shown by the table given below, he is not one of the most careful observers.

Midnapore—Had to be visited in May 1887 because of the very low readings of the barometer. The instrument was found to be in bad order, but the observer was also very careless in his adjustment. He benefited by the instruction then given, so that further inspection visits have not been considered necessary, but there is still a certain amount of carelessness shown in his returns.

Mohiharee—Observatory was in a very satisfactory condition when visited by Mr. Pedler in January 1883 and March 1889. The object of the second visit was to arrange for the handing over of the observatory to the Civil Surgeon from the 1st April 1889, his clerk becoming observer. The instruments were in the same excellent order as when previously inspected, and Mr. Pedler has recorded that "Mr. Clarke the Supervisor, Public Works Department, must be thanked for the general care he has shewn in the charge of the observatory." As the new observer was not well qualified for the work of observing, a third visit was made by Babu C. C. Chatterjee, who gave the required instruction as to reading the barometer and wind vane, and saw that the instruments were thoroughly cleaned and oiled.

Mymensingh—Observatory was inspected on 14th January 1888 and 3rd February 1889. The instruments were in fair condition on both occasions, but the observer had, each time, difficulties which could only have been removed by verbal instruction.

Noakhally—Visited from 5th to 7th January 1888. The observer was found to be reading the barometer too low from wrong adjustment of the vernier. The instruments were in fair order, with the exception of the wind vane and anemometer, which were replaced by new ones.

Nya Doonka—Observatory was inspected in August 1887 by Babu C. C. Chatterjee. The observer read his instruments quickly and correctly. Most of

the instruments had been well kept. The Inspector removed all defects, and the new instruments wanted were supplied immediately after his return to Calcutta.

Patna—Observatory has been inspected three times—in March and October 1888 and September 1889. The instruments were in good order, except where they had become unserviceable from wear, in which cases new ones were supplied. On the occasion of Mr. Pedler's visit in October 1888, the observer was more than half an hour late in arriving to take the observations, and as the records at the telegraph office shewed that the telegrams to Simla were invariably late in being sent for despatch, the observer was fined.

Purneah—Observatory was inspected in December 1887, August 1889, and March 1890. When first inspected the observer took the readings quickly and and correctly, but the observatory was not in good order in several important particulars.

Rampore Beaulah—Was visited on the 19th June 1888. The instruments were in very bad order, from want of attention on the part of the observer, the thermometers being unserviceable, and the wind instruments working with a great deal too much friction from want of oil. He read the barometer very slowly and with doubtful accuracy. During the past year the results have been more satisfactory, and very few careless errors have been discovered.

Raneegunge—Observatory was inspected in August 1887 and in January and October 1888. The instruments were mostly in good order, and the observer was found to read the instruments quickly and correctly.

Rungpore—Inspected in June 1888, October 1889, and March 1890. During the first year the observatory was in a most unsatisfactory condition, the observer shewing great want of punctuality and being very careless in keeping the instruments in order. As the shed was very near the post-office, the Postmaster was appointed observer. But when the observatory was next visited by Mr. Gilliland in October 1889, the observer was found to be reading the barometer very inaccurately, not altogether from carelessness, as he was very willing to learn but because he had failed to understand from the *Vade Mecum*, the method of correctly setting the instrument. As far as time would permit, he was drilled in setting and reading, and when Mr. Pedler inspected the observatory in March last, he found the observer read only a few thousandths of an inch too low, probably owing to somewhat defective vision.

It will be seen from the preceding remarks that in many cases the defective observations are not due to carelessness so much as to an imperfect knowledge of the duties, for which the observer cannot be said to be blameworthy, unless he has had previous opportunities of direct instruction. The only way of introducing improvement is to have an officer who may be in a position to go to any observatory when required, and to stay there instructing the observer till there can be no further doubt as to his being able to read all the instruments with the utmost accuracy.

In addition to these errors arising from ignorance on the part of observers, frequent careless errors are made by some. These are generally discovered by comparison at the head office, and from the records, I have arranged in the following table the observatories according to the number of errors made during the past year, partly to show how careless some observers are, and partly to show which observers are making every effort to give satisfaction :—

| Under five mistakes. | Between five and ten mistakes. | Between ten and twenty mistakes. | Over twenty mistakes. |
|--|---|--|--|
| Akyab. Berhampore. Burdwan. Buxar. Chybausa. Cocanada. Dhubri. Gopalpore. Hazariabagh. Krishnaghur. Madras (Port Office). Nya Doonka. Patna. | Arrah. Bankoora. Bogra. Cuttack. Dehree. Dinagpore. Durbhunga. False Point. Gya. Jessore. Motiharee. Mymensingh. Purneah. | Bhagulpore. Chittagong. Chupra. Dacca. Darjeeling. Furzedpore. Maldah. Midnapore. Nellore. Noakholly. | Balassore. Burrisaul. Comillah. Julpigoree. Pooree. Rungpore. |

| Under five mistakes. | Between five and ten mistakes. | Between ten and twenty mistakes. | Over twenty mistakes. |
|--|--------------------------------|----------------------------------|-----------------------|
| Rampore Beaulah. Ranee. Serajung. Sibsagar. Silchar. Tavoy. | Raneegunge Saugor Island. | | |

To make the observers more careful, a system of fining has been employed for some time, and the observers who have been most frequently punished during the year ending March 1890, are those at Balasore, Burrisaul, Chittagong, Chupra, Comillah, Gya, Noakholly, Pooree, and Rungpore. The observer at Comillah was fined sixteen times, at Balasore eight times and most of the others five times.

Most of the inland stations have been inspected some time during these three years, but it has been impossible to visit the stations on the coast. The observations, however, have been carefully watched, and any errors made immediately brought to the notice of the observers, so that those who are in the habit of taking careless readings are at once reminded that more care is necessary. A condition of high efficiency is maintained, as shown by the accuracy with which the movements of storms in the Bay can be followed. In connection with Chittagong observatory, I have shown from what cause the greatest risk of failure in supplying accurate information arises, and that it is in a fair way of being removed.

In past years the condition of the lines connecting Diamond Island and False Point with the mainland has been the subject of comment. During the year 1889-90 there was no serious stoppage at either station, but the weather was never very stormy during the monsoon season, so that they were not put to the same test as in other years. The telephone line between Hookeytollah and the False Point Lighthouse has been thoroughly overhauled, and the telephone replaced by Morse instruments which will soon be in use. Though the telegraph authorities think it unlikely that the line will, even now, be able to stand the strain of very stormy weather, there is no doubt but that it will now be much more reliable.

The number of rainfall recording stations during the past three years is as given below:—

| YEAR. | Stations. |
|----------------|-----------|
| 1887-88 | 250 |
| 1888-89 | 255 |
| 1889-90 | 258 |

These stations have generally despatched their returns with great regularity. There were, however, a few exceptions. Piplee submitted no returns throughout the year. Sorah, Balasore, Azimgunge, Patkabari, Bogra, and the more outlying stations in Purneah, Mozufferpore, Lohardugga, and Singbhoom were late on several occasions.

With a view to obtain daily meteorological observations from the pilot-brigs cruising at the Sandheads, Mr. Pedler, with the assistance of Mr. S. R. Elson, devised and issued a special code by means of which the meteorological observations taken in the pilot-brigs can be reported by a single hoist of four flags displayed in passing Saugor Island Lighthouse and thence telegraphed to the Meteorological Office.

These telegrams have been received with fair regularity. The observations seem to have been taken from different instruments and probably by different persons from time to time, so that the pressure reported is not very reliable, especially as there has sometimes been difficulty in ascertaining to what day the observations belong. A list given below shows the number of telegrams received each month since the system was started.

| | | | |
|--------------------|----|----------------------|------|
| June 1889 | 1 | November 1889 | Nil. |
| July " | 17 | December " | 13 |
| August " | 9 | January 1890 | 10 |
| September " | 17 | February " | 15 |
| October " | 1 | March " | 13 |

[illegible]

Table giving a brief statement of the storms which affected the Bay of Bengal coasts during the year 1889-90.

| No. | Date. | Character of storm. | Coast affected. |
|-----|------------------------|---|---|
| 1 | May, 21st and 22nd ... | Feeble depression off Pegu coast... | It passed into the Central Provinces and merged into the area of permanent low pressure. Crossed North Orissa coast on the 11th. |
| 2 | June, 9th to 11th ... | Small depression off Ganjam coast | |
| 3 | June, 17th ... | Feeble depression in north-east of the Bay. | Crossed North Orissa coast at about 8 p.m. on 26th. Crossed the coast between Balasore and Sanger Island on the morning of the 20th. |
| 4 | June, 24th to 27th ... | Feeble cyclonic storm off Orissa coast. | |
| 5 | July, 12th to 20th ... | Small cyclonic storm off Orissa coast. | |

| No. | Date. | Character of storm. | Coast affected. |
|-----|---------------------------|--|---|
| 6 | August, 5th and 6th ... | Small depression over the head of the Bay. | Crossed Orissa coast near Pooree. |
| 7 | August, 15th to 17th ... | Small depression over the head of the Bay. | Passed northwards. |
| 8 | August, 25th and 26th ... | Feeble depression off Orissa coast | Passed inland. |
| 9 | September, 18th to 19th | Cyclonic storm formed in the centre of the Bay moved in a westerly direction. | Crossed Ganjam coast on the evening of 18th. |
| 10 | September, 25th to 27th | Feeble diffused depression in the north-east of the Bay. | Passed northwards. |
| 11 | October, 4th to 11th ... | Shallow depression off Circars coast. | Merged into the area of uniform pressure. |
| 12 | October, 13th to 16th ... | Feeble depression off Orissa coast | Crossed coast on the morning of the 16th. |
| 13 | October, 21st to 27th ... | Shallow depression, formed off Orissa coast, and moved slowly in northerly direction | Crossed coast east of Sanger Island, passing over Sunderbunds on the 27th. |
| 14 | November, 2nd and 3rd | Small depression in the Gulf of Martaban. | Moved northward towards the land. |
| 15 | November, 13th to 20th | Cyclonic storm formed in the southern half of the Bay. | Approached Madras coast till the 18th then moved rapidly in a northerly direction, the centre passing inland near Gopalpore on the morning of the 20th. Gave heavy gales on the Circars and south Orissa coast. |
| 16 | December, 16th to 18th... | Small depression in the south-west of the Bay. | Crossed Madras coast to south of Negapatam on the morning of the 18th. |
| 17 | December, 23rd to 26th | Small depression formed in the south of the Bay. | Moved in a north-westerly direction, and crossed the coast as a feeble depression near Nellore. |

Table showing the action taken by the Calcutta Meteorological Office in warning the coasts affected by the storms enumerated in the above table.

| Storm No. | HOISTING OF STORM SIGNALS. | | | WARNING OF PORTS BY CAUTIONARY TELEGRAMS. | |
|-----------|--|---|---|--|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegram. | Time and date of despatch of cautionary telegrams. |
| 1 | ..... | ..... | ..... | Madras and Rangoon ... Madras ... Moulmein, Rangoon, Bassein, and Tavoy. | 11-15 a.m. of 21st May. 11-15 a.m. of 22nd May; 11 a.m. of 23rd May. 9-23 a.m. and 10 p.m. of 22nd and 11 a.m. of 23rd May. |
| 2 | Saugor Island ... Mud Point ... Diamond Harbour ... | 9th June 10-30 hours ... Do. 10-10 " ... Do. 10-50 " | 10th June 10 hours ... Ditto 10-55 " ... Ditto 10 " | Madras and Rangoon ... Gopalpore, Calingapatam, Bimlipatam, Vizagapatam and Cocanada. | 10-50 a.m. of 8th June. 10-10 a.m. of 9th June. |
| 3 | Budge-Budge ... Calcutta, Pooree, False Point, Chandbally, and Balasore. | Do. 10-25 " Ordered to hoist at 10 hours of 9th June. | Ditto 10-20 " Ordered to lower at 10 hours of 10th June. | Madras ... | 10-15 a.m. of 9th June. |
| 4 | ..... | ..... | ..... | Chittagong ... | 10-10 of 16th June. |
| 5 | Saugor Island ... Mud Point ... | 26th June 11-1 hours ... Do. 10-45 " | 27th June 10-47 hours ... Ditto 10-45 " | Gopalpore, Pooree, False Point, Chandbally, and Balasore. | 9-40 a.m. of 26th June. |
| 6 | Diamond Harbour ... Budge-Budge ... Calcutta, Pooree, False Point, Chandbally, and Balasore. | Do. 10-40 " Do. 10-12 " Ordered to hoist at 10-30 hours of 26th June. | Ditto 10-45 " Ditto 10-17 " Ordered to lower at 10 hours of 27th June. | Gopalpore and Calingapatam. Madras ... | 10-23 a.m. of 26th June. 11-10 a.m. of 26th June. |
| 7 | Saugor Island ... Mud Point ... | 18th July 10-50 hours ... Ditto 10-40 " | 21st July 6-10 hours ... Ditto 6-14 " | Pooree, False Point, and Gopalpore. Madras ... | 9-50 of 12th; 10-35 of 14th; 21-4 of 16th; 10-35 of 18th; 10-37 of 19th, and 11-6 of 20th July. 10-50 of 12th; 10-35 of 18th; 11-10 of 14th; 10-35 of 15th; 10-30 of 16th; 10-37 of 18th; 10-55 of 19th, and 11-12 of 20th July. |
| 8 | Diamond Harbour ... Budge-Budge ... Calcutta, Pooree, False Point, Chandbally, and Balasore. | Ditto 10-30 " Ditto 9-55 " Ordered to hoist at 10 hours of 18th July. | Ditto 6-15 " Ditto 6 " Ordered to lower at 5-30 hours of 21st July (except Pooree, which was ordered to lower at 10-25 of 20th July.) | Calingapatam, Bimlipatam, Cocanada, Vizagapatam, and Masulipatam. | 10-45 of 14th; 10-15 of 18th; 10-18 of 19th; 10-35 of 19th; 10-37 of 19th, and 11-6 of 20th July. |
| 9 | Saugor Island ... Mud Point ... | 17th September 17 hours ... Ditto 17 " | 19th September 5-3 hours ... Ditto 5-5 " | Gopalpore, Calingapatam, Bimlipatam, Vizagapatam, Madras, and Cocanada. | 16 hours of 17th; 10-24 and 18-40 of 18th; 6-20 of 19th September. |
| 10 | Diamond Harbour ... Budge-Budge ... Calcutta, Pooree, False Point, Chandbally, and Balasore. | Ditto 10-45 " Ditto 10-7 " Ordered to hoist at 10-30 hours of 17th September. | Ditto 5-15 " Ditto 4-45 " Ordered to lower at 4 hours of 19th September. | | |

| Storm number. | HOISTING OF STORM SIGNALS. | | | WARNING OF PORTS BY CAUTIONARY TELEGRAMS. | |
|---------------|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegram. | Time and date of despatch of cautionary telegrams. |
| 11 | Pooree, Falsepoint, Chandbali and Balasore | Ordered to hoist at 10-25 of 7th October. | Ordered to lower at 10-45 of 8th October. | Gopalpore and Madras | 10-57 of 7th and 10-30 of 8th October. |
| 12 | ..... | ..... | ..... | Coconada, Masulipatam and Madras. | 16 hours of 18th and 10-30 of 19th October. |
| 13 | Saugor Island | 20th October 10 hours | 27th October 10-3 hours. | | |
| | Mud Point | Ditto 10 | Ditto 10 | | |
| | Diamond Harbour | Ditto 9-55 | Ditto 10-5 | | |
| | Budge-Budge | Ditto 9-7 | Ditto 10-30 | | |
| 14 | Calcutta | Ordered to hoist at 8-50 of 20th October. | Ordered to lower at 9-20 of 27th October. | | |
| 15 | Saugor Island | 19th November 11-4 hours | 20th November 15-45 hours | Basscin, Rangoon, Moulmein, and Tavoy. | 8-35 of 2nd and 8-20 of 3rd November. |
| | Mud Point | Ditto 11-30 | Ditto 15-35 | Madras, Gopalpore, Bimlipatam, Coconada, Vizagapatam, Masulipatam, Negapatam, Akyab, and Rangoon. | 10-20 of 13th; 10-10 of 14th; 10-15 of 15th; 10-40 of 16th; 10-25 of 17th; 10-10 of 18th (except Gopalpore, Akyab, and Rangoon); 11-40 and 12-40 of 19th; 10-40 of 20th November. |
| | Diamond Harbour | Ditto 11-15 | Ditto 15-15 | | |
| | Budge-Budge | Ditto 11 | Ditto 15-27 | | |
| 16 | Calcutta, Pooree, False Point, Chandbali, and Balasore. | Ordered to hoist at 10-10 of 19th November. | Ordered to lower at 15-30 of 20th November. | Pooree, False Point, Chandbali, and Balasore. | 10-35 of 14th; 10-15 of 15th; 10-40 of 16th; 10-25 of 17th; 10-40 of 18th; 10-50 of 19th November. |
| 17 | ..... | ..... | ..... | Chittagoong | 10-28 and 15-40 of 19th; 10-40 of 20th November. |
| 18 | ..... | ..... | ..... | Nagapatam, Tuticorin, and Madras. | 10-20 and 17-30 of 17th; 10-20 of 18th; 11 hours of 19th December. |
| 19 | ..... | ..... | ..... | Madras, Vizagapatam, Coconada, Masulipatam, Pambem, Negapatam, and Tuticorin. | (Madras 10-2 of 22nd); 10-27 of 23rd; 9-50 and 15-25 of 24th; 10-30 of 25th and 10-20 of 26th December. |

An additional weather signal for the approaches to the port of Calcutta and for the port itself, called the *cautionary signal*, has been introduced amongst the existing weather signals by a notification issued on the 29th June 1889.

During last year the Madras Port authorities represented to Government the desirability of receiving daily information as to the weather passing over the Bay, and in consequence the duty has been entrusted to the Calcutta Meteorological Office. With a view to give the fullest information regarding the whole Bay, Mr. Pedler devised a special meteorological telegraphic code, a manuscript copy of which was sent to the Presidency Port Officer, Madras, on the 28th March 1890, and the first telegram giving such information commenced from the 4th April 1890.

Weather reports.

The regular reports which are issued by this Department are—

1st.—Monthly reports of the meteorology of Bengal and Assam which are also illustrated in a few cases with maps drawn by hand representing the actual rainfall, the variation from the normal, and the rainfall expressed as a percentage of the normal fall. Copies of these maps were also regularly supplied to the Sanitary Commissioner, Bengal.

2nd.—Weekly reports of the meteorology of Bengal and Assam, and particularly of the rainfall of Bengal.

Both the monthly and weekly reports have been published regularly throughout the year in the *Calcutta Gazette*. The date of publishing of the monthly reports has been in almost every case that of the second Gazette after the close of the month in question, while each Gazette has dealt with the weather statistics of the week up to and including the Friday previous to its issue.

Two other general reports of the meteorology of Bengal are also prepared—the first is the meteorological summary for the whole year prepared and submitted to Government in July for incorporation in the Bengal Administration Report. It was illustrated by maps showing the actual rainfall of the year, and its percentage variation from the normal. The second general report deals with the meteorology of the monsoon season only. This was prepared as usual, and it appeared in the *Calcutta Gazette* of 15th December 1889. A few copies of maps representing the actual monsoon rainfall, its variation from the normal, and the percentage of the actual rainfall as compared with that of normal years, were also prepared for submission with this report.

The Daily Bengal Report, which is published during the monsoon season, was issued regularly from the 27th of April to the 2nd of November. It dealt with the observations of 42 stations, and it was issued to 101 Government officers and to 15 private subscribers.

The Bay of Bengal Daily Weather Report of the Storm Signal Service was issued regularly throughout the year. The usual time at which the report is printed and ready for distribution is between 10-30 and 11 A.M., and it contains the observations made at 8 A.M. at 25 stations in India and Burma, and at two stations (Galle and Trincomallee) in Ceylon. In the latter case the observations are taken at 9-30 A.M., and they consequently cannot be included in the report for the same day, but appear in that of the day following. The report is prepared and issued mainly to give information as to the state of the weather in the Bay of Bengal and over the surrounding coast areas, and to enable the Storm Signal Service to be worked effectively by the Reporter.

This report was supplied free to 43 Government officers and 23 subscribers, paying at the rate of Rs 2 a month. The receipts from subscribers during the year have covered the cost of printing the reports in this office and of distributing them. There was a small balance at the end of the year 1889-90. This amount was kept in hand to meet urgent demands for repairs to the lithographic presses, &c.

Previous to 1st January 1890 during the monsoon months, May to November, a daily chart was prepared showing the meteorological conditions obtaining over Bengal as communicated to the Calcutta office from the various observatories by telegram. But since the 1st January 1890 five separate charts graphically showing the various meteorological data are being prepared, and this work will be continuous for the whole year in future. These charts are drawn by hand and filed in the office for reference.

Special work.—A special report was prepared by Mr. Pedler giving a full account of the cyclonic storm in the Bay of Bengal of 21st to 28th August 1888. It was submitted to the Meteorological Reporter to the Government of India on 3rd August 1889, and published by the department as "Cyclone Memoir, Part II," in March 1890.

There has been no change in the office establishment during the past year.

Office establishment.

Under the very efficient superintendence of Babu F. M. Basu work has gone on smoothly, and the opinion I have formed during the few months the office has been under my charge enables me fully to endorse the very favourable expressions which Mr. Pedler has recorded in previous reports.

METEOROLOGICAL OFFICE, }
Calcutta, the 27th June 1890. }

C. LITTLE,
Offg. Meteorological Reporter to the
Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 2nd August, 1890.

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---------------------------|------------------------------|---------------------------------------|---|
| BENGAL. | | | |
| <i>Western Districts.</i> | | | |
| BURDWAN DIV. | 1 Burdwan Aug. 2, '90 | 5.64 | Weather—rainy. Prospects of cultivation good. Transplantation of <i>aman</i> going on. Prices of common rice:— |
| | Culina ... | 2.80 | |
| | Cutwa ... | 3.06 | |
| | Ranigunge ... | 2.42 | |
| | | | Srs. } per rupee. |
| | | | Burdwan ... 15 |
| | | | Culina ... 13 |
| | | | Cutwa ... 14½ |
| | | | Ranigunge ... 15½ |
| | 2 Bankura .. 2, '90 | 6.85 | Break in the rains in the latter part of the week. Transplanting of <i>aman</i> rice still going on. Indigo is being cut. Sugarcane thriving. Price of common rice at Sudder 18 seers per rupee and at Bishenpore 16½ seers per rupee. |
| | 3 Birbhum .. 2, '90 | 3.71 | Very heavy showers of rain. The present condition of the crops is extraordinarily good. All low land cultivated, and an unusually large area of high land as well. |
| | Rampore Haut ... | 3.25 | |
| | 4 Midnapur .. 2, '90 | 0.74 | Weather—fine with occasional showers. Paddy and indigo doing well. Paddy still being transplanted. Prices of common rice:— |
| | | | Srs. } per rupee. |
| | | | Sudder ... 15 |
| | | | Contai ... 18 |
| | | | Tamluk ... 14 |
| | | | Ghatal ... 16 |
| | 5 Hooghly .. 2, '90 | 1.95 | Weather—close and cloudy. State and prospects of crops good. Prices of common rice:— |
| | Serampore ... | 4.11 | |
| | Jehanabad ... | 7.50 | |
| | | | Srs. } per rupee. |
| | | | Sudder ... 13½ |
| | | | Serampore ... 18 |
| | | | Jehanabad ... 14½ |
| | Howrah .. 2, '90 | 1.11 | Weather—seasonable. Transplanting of <i>aman</i> continues. Crops as a rule doing well. Common rice sells at 13 and 14 seers per rupee. |
| | Uluberia ... | 3.02 | |
| <i>Central Districts.</i> | | | |
| PRESIDENCY DIV. | 6 24-Pergha. Aug. 5, '90 | 2.27 | Weather—hot and clear. Prospects of <i>aus</i> and jute fair. Transplantation of <i>aman</i> going on, but more rain wanted. Prices stationary. |
| | 7 Nuddea .. 2, '90 | 3.82 | Weather—seasonable. 2.66 inches of rain fell on Monday last (28th). Prospects of crops good. A considerable portion of the <i>aus</i> and jute plants on chur lands in the Kushtia subdivision has been destroyed by the rise of the river. The rivers have risen higher than usual for the season. |
| | Kushtia ... | 3.56 | |
| | Meherpore ... | 4.50 | |
| | Chudanga ... | 1.69 | |
| | Nanaghat ... | 2.65 | |
| | 8 Khootia .. 2, '90 | 4.91 | Weather—rainy. Prospect and condition of crops continue favourable. Transplantation of <i>aman</i> still going on. Some damage is being done to <i>aman</i> paddy by insects. |
| | Satkhira ... | 1.83 | |
| | 9 Jessore .. 2, '90 | 2.77 | Weather—rainy and cloudy. Prospects of standing crops good. Harvesting of <i>aus</i> going on. Price of rice has slightly risen. |
| | Jhenidah ... | 9.50 | |
| | Magura ... | 2.83 | |
| | Narail ... | 1.50 | |
| | Bongong ... | 1.15 | |
| | 10 Moorshedabad .. 2, '90 | 7.46 | Weather—wet. Rivers very high. Damage done on some low lands. <i>Aus</i> and <i>aman</i> standing promise very well. |
| | Lalbagh ... | 10.17 | |
| | Kandi ... | 9.8 | |
| | Jungipore ... | 3.86 | |
| | 11 Dinagpur .. 2, '90 | 9.21 | Weather—very wet. <i>Haimanti</i> transplanting is still in progress. Prospects continue to be very favourable. Price of rice unchanged. |
| | Thakurgaon ... | 4.82 | |
| | 12 Rajshahye .. 2, '90 | Figures not given | Weather—rainy and cloudy. Cutting and steeping of jute in progress. Sowing of winter paddy in the Barandra tracts almost finished. A few days' cessation of rain is necessary for the purpose of weeding. |
| | Natore ... | 0.62 | |
| RAJSHAHY DIV. | 13 Rangpur .. 2, '90 | 7.37 | Weather—cool and cloudy with frequent heavy showers. All standing crops promising well. Jute is being cut and steeped. <i>Aman</i> is being transplanted. <i>Aus</i> is being cut. |
| | Nilphamari ... | 5.97 | |
| | Kurigram ... | 5.94 | |
| | Gaibandha ... | 11.03 | |
| | 14 B. gra. .. 2, '90 | 6.16 | There has been scarcely any sunshine during the week, and a break in the rains would now do good. All crops are doing and promising well. <i>Aman</i> rice has been transplanted already on about half the area usually cultivated with this crop. Common rice selling at 19 seers per rupee. |
| | Sherpur ... | 5.79 | |
| | Nowkhilla ... | 6.05 | |
| | 15 Pabna .. 2, '90 | 2.34 | Weather—cool and rainy. Prospects of <i>aus</i> , <i>aman</i> , and jute continue good, though the rise of the rivers threatens to do damage to the crops standing on low-lying lands. Jute and <i>aus</i> are being reaped. Prices have decreased still more. |
| | 16 Darjeeling .. 2, '90 | 22.69 | Weather—continues very wet. Rainfall at Darjeeling 33 inches over the average. Sun much wanted for tea. Four annas of the jute crop spoilt by rain in the Terai. <i>Bhadai</i> crop doing well. |
| | 17 Calcutta .. 2, '90 | 6.90 | Weather—rainy and cloudy. Steeping of <i>aus</i> commenced. Transplanting of <i>aman</i> going on. Jute doing well. Prices stationary. |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---------------------------|------------------------------------|---------------------------------------|--|
| BENGAL—concluded. | | | |
| <i>Eastern Districts.</i> | | | |
| Dacca Divn. | 18 Dacca Aug. 2, '90 | 2.85 | Weather—cloudy and rainy. Harvesting of jute and <i>aus</i> paddy going on. Damage to <i>aus</i> paddy anticipated owing to high flood. <i>Amun</i> paddy thriving. Fodder not available in abundance. Price of common rice stationary. |
| | 19 Furreedpur „ 2, '90 | 3.69 | Weather—seasonable. The river has risen very considerably and has over-flooded a large portion of the Sudder sub-division and submerged the crops. If the flood remains at its present level for some days more, the crops will be seriously damaged. The outlook in Goalundo and Madaripur is, however, reported to be hopeful. Price of rice stationary. |
| | 20 Backergunge „ 2, '90 | 2.93 | Weather—seasonable at sub-divisions, but hot at Sudder. State of standing crops generally good. Common rice selling at about 13 <i>seers</i> 8 <i>chittacks</i> per rupee. |
| | 21 Mymensingh „ 2, '90 | 6.08 | Weather—cloudy and sultry with heavy rain almost daily. <i>Aus</i> paddy excellent and is being gathered. Jute somewhat injured by incessant and early rain. About half the normal area transplanted with <i>amun</i> paddy seedlings. Coarse rice sells at 13½ <i>seers</i> per rupee. |
| Chittagong Divn. | 22 Chittagong „ 2, '90 | 22.00 | Weather—seasonable. Cultivation was at a standstill in consequence of the heavy rainfall during the first part of the week, but it is again in progress. Some damage, but not very much, appears to have been caused to the <i>aus</i> crop by the heavy rain. Lands are being prepared for <i>amun</i> . Common rice selling at 16 <i>seers</i> per rupee. |
| | 23 Noakhally „ 2, '90 | 7.69 | Weather—cloudy and rainy. Reaping of <i>aus</i> crop progressing. <i>Amun</i> crop is being transplanted. Cocoanuts maturing and in good condition. |
| | 24 Tipperah „ 2, '90 | 6.88 | Weather—cloudy, wet, cool. <i>Aus</i> and jute are being cut. <i>Amun</i> is being transplanted. Prospects good. Rice selling at from 21 <i>seers</i> 5½ <i>chittacks</i> to 13 <i>seers</i> 5½ <i>chittacks</i> per rupee. |
| | 25 Chittagong Hill Tracts „ 1, '90 | 10.01 | Weather—rainy and cloudy throughout the week. Early <i>jum</i> paddy ripening. Cotton progressing. Transplanting in low lands commenced. Common rice is being sold at 12 <i>seers</i> 5 <i>chittacks</i> per rupee. |
| | Hill Tipperah „ 1, '90 | 6.12 | Weather—rainy and damp. Harvesting of <i>aus</i> and <i>til</i> finished in some parts of the State. <i>Amun</i> still being transplanted. <i>Jum</i> crops doing well. Prices stationary. |
| Patna Divn. | 26 Patna „ 2, '90 | 7.43 | Weather—hot. Transplantation of paddy is being pushed on. <i>Bhadai</i> crops reported to have been damaged in the Barh sub-division owing to floods and incessant rain. Prices of some of the food-grains are slightly falling. |
| | Barh „ „ | 7.87 | |
| | Dinapore „ „ | 7.07 | |
| | 27 Gaya „ 2, '90 | 4.37 | Weather—hot and cloudy. Transplantation of paddy going on. Prospects of <i>bhadai</i> not favourable owing to incessant rainfall. Prices of food-grains almost stationary. |
| | 28 Shahabad „ 2, '90 | 3.36 | Weather—rainy and cloudy. Prospects of the <i>bhadai</i> crops in the Sudder and Buxar sub-divisions are not favourable owing to excessive rainfall. In other sub-divisions the crops are doing well. Transplantation of paddy in progress. Prices stationary. |
| | Buxar „ „ | 3.24 | |
| | Bhramah „ „ | 3.54 | |
| | Sasseram „ „ | 2.44 | |
| | 29 Burhonnagar „ 2, '90 | 5.81 | Weather—cloudy with frequent rain. <i>Bhadai</i> and rice crops in north-western part of the Sudder sub-division considerably damaged by floods of the Bagmati and Kamla. Elsewhere prospects continue favourable, but a break in the rains is urgently needed. Indigo manufacture in progress. Prices falling. |
| | Madhubani „ „ | 13.27 | |
| | Sonmasipur „ „ | 9.32 | |
| Bhagalpur Divn. | 30 Maso-ipur „ 2, '90 | 6.17 | Weather—cloudy and wet throughout the week, and no sign of a cessation of the rain at the time of report. Excessive rain has done much damage to the <i>bhadai</i> crops and low-lying paddy in parts. The Toorka bund has been cut, and much water is pouring over the country south of it, causing serious injury to indigo, <i>makai</i> , and other crops. Area affected cannot yet be reported. |
| | Hajipur „ „ | 7.94 | |
| | Sitamarhi „ „ | 6.51 | |
| | 31 Saran „ 2, '90 | 10.80 | Weather—very wet and stormy. <i>Bhadai</i> wants sun badly. Some low rice lands swamped. Indigo outturn fair. |
| | 32 Champaran „ 2, '90 | 9.44 | Weather—cloudy. Rain almost daily, resulting in slight damage to <i>bhadai</i> . Fine weather anxiously looked for. Transplantation of paddy nearly finished. Indigo manufacture continues. |
| | 33 Monohyr „ 2, '90 | 10.06 | Heavy rain and cloudy sky. Very little sunshine. The excessive rain has injured the <i>bhadai</i> crops, and along the Ganges they have been submerged to a large extent. |
| | Begusarai „ „ | 10.35 | |
| | Jamui „ „ | 9.62 | |
| | 34 Bhagulpur „ 2, '90 | 11.1 | Heavy rain and continued cloud. The very heavy rain during the week and the rising of the rivers have done some damage to the <i>marua</i> and <i>wakai</i> crops. Prospects of the rice crop are good, but a break in the rains with some sunshine is now wanted. |
| | Banka „ „ | 4.14 | |
| | Mudheura „ „ | 11.0 | |
| | Sopool „ „ | 14.4 | |
| | 35 Purnea „ 2, '90 | 7.84 | Weather—stormy with much rain. Jute has suffered from excessive rain; estimated outturn 12 <i>annas</i> in Kishengunge and 14 <i>annas</i> in the rest of the district. <i>Bhadai</i> crops are being harvested in Kishengunge. Prospects favourable, but some damage to young winter rice from floods. Prices falling. |
| | Kishengunge „ „ | 4.79 | |
| | Arrah „ „ | 4.08 | |
| | 36 Malda „ 2, '90 | 5.20 | Weather—very wet. Rain every day. Transplantation of <i>amun</i> continues. <i>Bhadai</i> has been much injured by excessive rain and early rise of the rivers. No change in prices. |
| | Chanchal „ „ | 6.68 | |
| | Srirang „ „ | 4.29 | |
| | Gajole „ „ | 4.86 | |
| | 37 Borthal Pergna „ 2, '90 | 4.85 | Weather—cool. Constant rain during the week has somewhat damaged the <i>makai</i> crop. Transplantation of rice going on, and mostly completed. Owing to heavy rainfall rice cultivation on high lands more than usual. A spell of sunshiny weather now much wanted. |
| | Deoghur „ „ | 7.21 | |
| | Rajmahal „ „ | 2.92 | |
| | Jamtara „ „ | 3.96 | |
| | Godda „ „ | 4.38 | |
| | Pakour „ „ | 2.85 | |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|------------------------------------|------------------------------|---------------------------------------|--|
| ORISSA. | | | |
| ORISSA DIV. | 38 Cuttack Aug. 2, '90 | 3.58 | Weather—seasonable. Transplantation of <i>sarad</i> still going on. Sugarcane doing well. Prospects generally good. |
| | 39 Poonre July 31, '90 | 1.04 | Weather—seasonable. Transplanting and puddling of <i>sarad</i> rice in progress. <i>Beali</i> rice is being weeded. Cotton, sugarcane, &c., doing well. Price of common rice stationary. |
| | Knarda ... | 6.90 | |
| | 40 Balasore Aug. 2, '90 | 0.20 | Weather—cool and cloudy, but almost rainless. Very little short of the usual area has been already sown or transplanted with rice, both <i>sarad</i> and <i>guru</i> . More rain is much wanted, especially in the north of the district. Number of copies on relief-works 41. |
| CHOTA NAGPORE. | | | |
| <i>South-West Frontier Agency.</i> | | | |
| CHOTA NAGPORE DIV. | 41 Hazaribagh Aug. 2, '90 | 2.51 | Rainfall lighter. A partial break in the rains during the last three days of the week. Excessive rain has damaged Indian-corn and other <i>bhadoi</i> crops. Paddy is being transplanted, and good progress made. Rice selling at from 15 to 18 seers per rupee. |
| | 42 Lohardugga 2, '90 | 5.90 | Weather—warm and cloudy. Rain daily during the week. Transplantation of winter rice is being carried on vigorously. Prospect of <i>bhadoi</i> good. No material change in prices. |
| | Palamow (up to 28th July) | 5.78 | |
| | 43 Singhbhum Aug. 2, '90 | 2.54 | Seasonable rain on all but one day of the week. Reports of the condition of the crops are most favourable from all sides. Tussur cultivation has only just commenced; its progress is very slight owing to wet weather. |
| | 44 Manbhoom 2, '90 | 2.38 | Weather during week favourable for the crops. <i>Bhadoi</i> crops doing well except in the Govindpore subdivision, where they are said to be suffering from damp. Price of rice 17 to 20 seers per rupee. |
| | Govindpore ... | 3.90 | |

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 5th August, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from
27th July to 2nd August 1890.

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | TEMPERATURE. | | | | HYGROMETRY. | | | | Prevailing direction. | Miles recorded. | Rain. | WEATHER. |
|--------|-------|-----------------|-------------------------------------|--------------------------------------|--------------|----------|--------|----------|----------------|------------------|------------|-----------|-----------------------|-----------------|---------|--------------------------------|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour pressure. | Dew point. | Humidity. | | | | |
| 1890. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| July | 27th | 123.6 | 0.4 | 29.689 | 79.9 | 84.6 | 8.8 | 75.8 | 77.9 | 0.931 | 77.1 | 91 | WSW, SW and calm | 70 | 1.12 | Chiefly cloudy, o. H, p, d, t. |
| " | 28th | 151.1 | Nil | 29.600 | 81.2 | 85.5 | 10.3 | 75.2 | 78.6 | 0.944 | 77.5 | 89 | WSW, SSW and calm | 78 | 0.04 | Chiefly cloudy, o, g, d. |
| " | 29th | 136.5 | " | 29.567 | 81.5 | 84.5 | 8.3 | 76.2 | 77.9 | 0.909 | 76.3 | 85 | W, SW and SSW ... | 104 | 0.04 | Chiefly cloudy, o, g, d. |
| " | 30th | 160.7 | 1.6 | 29.723 | 81.4 | 87.4 | 11.0 | 76.4 | 78.9 | 0.956 | 77.9 | 89 | SSE and calm ... | 32 | 0.39 | Chiefly cloudy, o, g, p. |
| " | 31st | 155.3 | 3.9 | 29.568 | 81.8 | 86.3 | 9.8 | 76.5 | 78.8 | 0.945 | 77.5 | 87 | ESE, SSW and S by W. | 82 | 0.02 | Partially cloudy, d. |
| Aug. | 1st | 149.5 | 5.1 | 29.606 | 83.2 | 87.5 | 11.0 | 76.5 | 79.5 | 0.968 | 77.9 | 84 | S by E, S and SSE .. | 90 | 0.04 | Partially cloudy, d. |
| " | 2nd | 160.6 | 7.6 | 29.640 | 83.8 | 88.5 | 11.4 | 77.1 | 79.6 | 0.967 | 77.9 | 83 | SE, SSE and S ... | 65 | Nil | Partially cloudy. |

The mean pressure of the seven days Inches.
 The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.584
 29.557

The total number of hours of bright sunshine Hour.
 The maximum possible number of hours of sunshine 18.8
 92.1

The mean temperature of the seven days 81.8
 The average temperature of the corresponding period for 24 years, S.-G.'s Office 82.9
 The extreme variation of temperature 13.3
 The maximum temperature 88.5

The highest velocity of the wind in one hour Miles.
 10
 lbs.

The highest pressure of wind on one square foot Not measurable.

The mean relative humidity %
 87
 The average relative humidity of the corresponding period for 24 years, S.-G.'s Office 87

The total fall of rain from 27th July to 2nd August 1890 Inches.
 1.65
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 3.85
 The total fall from 1st January to 2nd August 1890 31.17
 The average fall of the corresponding period for 24 years, S.-G.'s Office ... 35.75

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.
 The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; t, thunder; p, passing temporary showers.

N.B. - In the weekly report from 6th to 12th July 1890 read 82.2 for 82.8 as the mean temperature of the 7th July 1890.
 In the weekly report from 13th to 19th July 1890 read 9.5 for 9.9 as the range of the 18th, and also read 80.6 for 83.6 as mean wet bulb of the 16th July 1890.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 4th August 1890.

Meteorological Report of the Province of Bengal

| | | | STATION OBSERVATIONS. | | | | | | | | | | | | | |
|--------------------|-------------------------|--------------------------------|----------------------------|----------------------|-----------------------|---------------------|----------------------|-------|---------------------|---------------------------|-----------------------------------|---------------------------------|-------------------------------------|---------------------------|------|--|
| District. | Representative station. | AIR PRESSURE. | | | WIND. | | TEMPERATURE. | | | | | | | | | |
| | | Mean barometric height, 8 A.M. | Mean reduced to sea-level. | Variation from mean. | Travelling direction. | Mean wind velocity. | Highest during week. | Date. | Lowest during week. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily temperature of week. | Variation from normal mean of week. | Mean, 8 A.M. temperature. | | |
| UNISSA. | Pooree | Pooree | 29.039 | 29.030 | -.008 | S. wly. 85 W | 39.4 | 80.7 | 29th July | 75.6 | 80.5 | 78.1 | 82.3 | — | 80.0 | |
| | | Gopainpore | 29.032 | 29.034 | +.002 | SW | 39.8 | 85.2 | 29th & 31st July | 77.8 | 83.9 | 78.8 | 81.4 | -1.9 | 80.0 | |
| | | False Point | 29.017 | 29.039 | +.021 | W | 301.7 | 88.8 | 27th July | 76.1 | 86.8 | 79.8 | 80.8 | -2.0 | 80.0 | |
| | Cuttack | Cuttack | 29.006 | 29.047 | +.041 | SW | 96.1 | 90.4 | 27th .. | 75.3 | 89.9 | 77.2 | 82.1 | -1.8 | 80.0 | |
| | Balasore | Balasore | 29.001 | 29.030 | -.010 | SW | 171.6 | 86.4 | 26th & 27th July | 75.7 | 86.1 | 77.1 | 81.6 | -0.6 | 79.9 | |
| | South-West Midnapore | Saugor Island | 29.003 | 29.019 | +.016 | SW | 607.4 | 88.1 | 31st .. | 78.0 | 81.0 | 80.0 | 83.1 | -0.2 | 81.4 | |
| | South St. Pergunnah | Midnapore | 29.002 | 29.013 | +.011 | S | 149.3 | 80.3 | 26th .. | 76.1 | 86.0 | 77.2 | 82.4 | -1.0 | 80.8 | |
| | 14-Pergunnah | Calcutta | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Howrah | Howrah | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Hughly | Hughly | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| SOUTH WEST BENGAL. | Burdwan | Burdwan | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Hankura | Hankura | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Beerbhoom | Beerbhoom | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | West Burdwan | West Burdwan | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Moorshedabad | Berhampore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Nuddea | Krishnagar | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Jessore | Jessore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Khoulia | Khoulia | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Chittagong | Chittagong | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Chittagong Hill Tracts | Demaguri | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| EAST BENGAL. | Barisal | Barisal | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Noakhally | Noakhally | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Furzedpore | Furzedpore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Dacca | Dacca | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Comilla | Comilla | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Mymensingh | Mymensingh | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Bogra | Bogra | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Panna | Seraikunga | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Rajshabye | Rampore Moula | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Maldah | Maldah | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| NORTH BENGAL. | Dinapore | Dinapore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Rungpore | Rungpore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Julpigore | Julpigore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Cooch Behar | Cooch Behar | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Darjeeling Hill Tracts | Darjeeling | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Purneah | Purneah | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | North Bhagulpore | North Bhagulpore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Mosufferpore | Mosufferpore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Durbhunga | Durbhunga | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Chumpan | Chumpan | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| NORTH WEST BENGAL. | Chupra | Chupra | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shahabad | Shahabad | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Gya | Gya | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Patna | Patna | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | South Bhagulpore | South Bhagulpore | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Monghyr | Monghyr | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | South Pergunnah | South Pergunnah | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Basaribagh | Basaribagh | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Lehardurga | Lehardurga | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Manbhoom | Manbhoom | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| SOUTH BENGAL. | Singbhoon | Singbhoon | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |
| | Shibpur | Shibpur | 29.002 | 29.014 | +.012 | Southerly | 96.0 | 87.5 | 31st .. | 75.2 | 86.9 | 76.6 | 81.3 | -1.6 | 79.8 | |

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last 10 years. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The number of stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 1st of August 1890.

| DISTRICT OBSERVATIONS. | | | | | | | | | | | | | | | Representative station. | District. | METEOROLOGICAL DIVISION. |
|----------------------------|--|--|--------------------|--------------|--------------------|--------------|------------|----------------------|--------------|------------|-------------------------------|------------------------------|--------------|------------------------|-------------------------|-----------|--------------------------|
| Average humidity at 8 A.M. | Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | OF WEEK. | | RAINFALL. | | | | | | | | | | | | |
| | | | Mean for district. | Normal mean. | Since 1st of July. | | | Since 15th May 1890. | | | Average number of rainy days. | Normal number of rainy days. | | | | | |
| | | | | | Mean for district. | Normal mean. | Variation. | Mean for district. | Normal mean. | Variation. | | | | | | | |
| 88 | 8.0 | 1.19 | | 2.45 | | 11.49 | | 22.62 | | | 4.1 | Poorce | Poorce | ORISSA. | | | |
| 89 | 8.3 | 1.57 | | | | | | | | | | Gopalpore | | | | | |
| 86 | 8.7 | 2.08 | | | | | | | | | | False Point | | | | | |
| 81 | 9.0 | 2.22 | 2.49 | 2.56 | 15.27 | 12.61 | +2.60 | 27.49 | 23.09 | +3.21 | 4.2 | 4.5 | Cuttack | Cuttack | SOUTH-WEST BENGAL. | | |
| 87 | 6.1 | 0.18 | 0.40 | 3.26 | 7.57 | 13.67 | -6.10 | 25.10 | 24.65 | +0.54 | 1.3 | 4.6 | Balasore | Balasore | | | |
| 87 | 9.6 | 0.74 | 2.53 | 3.90 | 8.05 | 10.94 | -7.89 | 24.94 | 27.97 | -3.03 | 3.3 | 5.4 | Rauar Island | South-West Midnapore | | | |
| 85 | 4.0 | 0.09 | 3.24 | 3.86 | 8.82 | 13.55 | -4.83 | 29.27 | 30.09 | +4.18 | 4.3 | 5.4 | Midnapore | Midnapore | SOUTH-WEST BENGAL. | | |
| 91 | 9.3 | 2.11 | 2.89 | 3.63 | 9.16 | 13.10 | -3.94 | 26.45 | 26.64 | +2.61 | 4.5 | 5.3 | Calcutta | 24-Pargunnas | | | |
| 87 | 9.4 | 5.54 | 4.04 | 3.47 | 14.51 | 11.04 | +3.47 | 37.03 | 22.54 | 16.07 | 0.3 | 5.0 | Burdwan | Howrah | | | |
| 89 | 8.1 | 6.90 | 3.97 | 4.34 | 14.21 | 14.08 | +0.13 | 33.89 | 26.19 | +6.70 | 6.0 | 5.2 | Bankura | Hooghly | SOUTH-WEST BENGAL. | | |
| 90 | 9.4 | 3.42 | 3.19 | 4.33 | 16.14 | 13.78 | +2.36 | 33.14 | 25.85 | +9.29 | 6.3 | 5.0 | Ranagunge | West Burdwan | | | |
| 94 | 10.0 | 11.44 | 7.00 | 3.18 | 18.07 | 11.59 | +6.48 | 32.36 | 23.86 | +8.50 | 6.6 | 4.8 | Harhampore | Moorshedabad | | | |
| 87 | 9.1 | 3.75 | 3.45 | 3.00 | 11.91 | 10.70 | +1.21 | 27.41 | 23.94 | +3.98 | 6.8 | 5.0 | Krishnagar | Nuddea | SOUTH-WEST BENGAL. | | |
| 91 | 9.6 | 2.35 | 3.81 | 3.45 | 11.87 | 11.85 | +0.02 | 31.19 | 27.51 | +3.65 | 5.0 | 5.5 | Jessore | Jessore | | | |
| 93 | 7.7 | 20.08 | 18.72 | 9.41 | 48.31 | 32.19 | +16.12 | 78.11 | 67.11 | +11.00 | 6.5 | 5.9 | Chittagong | Chittagong | | | |
| | | | | 0.24 | | 17.93 | | 41.04 | | | | 5.8 | Demagiri | Chittagong Hill Tracts | EAST BENGAL. | | |
| 93 | 8.1 | 3.85 | 6.77 | 4.91 | 20.13 | 18.76 | +1.36 | 42.49 | 41.87 | +0.62 | 6.5 | 5.6 | Barisal | Backergunge | | | |
| 91 | 6.7 | 8.28 | 7.96 | 6.80 | 20.11 | 24.23 | +4.12 | 53.91 | 56.80 | -2.89 | 6.5 | 6.0 | Noakholly | Noakholly | | | |
| 93 | 8.7 | 3.87 | 3.96 | 4.01 | 11.23 | 12.46 | -1.23 | 23.87 | 29.36 | -5.49 | 5.0 | 5.2 | Furreedpore | Furreedpore | EAST BENGAL. | | |
| 93 | 9.7 | 4.50 | 3.21 | 4.22 | 16.09 | 14.65 | +0.44 | 36.85 | 31.03 | +4.92 | 6.3 | 5.4 | Dacca | Dacca | | | |
| 90 | 8.6 | 6.69 | 5.70 | 4.37 | 17.10 | 14.48 | +2.62 | 37.96 | 35.17 | +2.79 | 5.3 | 5.3 | Commillah | Tipperah | | | |
| 94 | 8.4 | 6.74 | 6.35 | 3.89 | 17.78 | 13.68 | +3.90 | 44.96 | 36.33 | +8.63 | 6.2 | 5.0 | Mymensingh | Mymensingh | EAST BENGAL. | | |
| 93 | 10.0 | 6.66 | 6.03 | 3.24 | 14.78 | 13.02 | +1.76 | 38.50 | 30.31 | +8.19 | 6.1 | 4.5 | Bogra | Bogra | | | |
| 90 | 9.6 | 5.06 | 4.02 | 3.26 | 11.10 | 11.01 | +0.09 | 27.76 | 25.98 | +1.78 | 6.0 | 4.4 | Serajgunge | Pubna | | | |
| 91 | 4.1 | 7.30 | 6.50 | 3.05 | 20.19 | 11.98 | +8.21 | 43.87 | 26.69 | +17.18 | 6.0 | 4.6 | Rampore | Rajshahye | NORTH BENGAL. | | |
| 93 | 7.0 | 6.30 | 6.04 | 3.19 | 12.74 | 12.46 | +0.28 | 28.43 | 27.11 | -0.03 | 6.5 | 4.8 | Maldah | Maldah | | | |
| 92 | 9.8 | 8.43 | 6.98 | 3.79 | 18.04 | 12.26 | +5.78 | 38.04 | 29.93 | +8.00 | 6.0 | 4.5 | Dinapore | Dinapore | | | |
| 93 | 6.0 | 6.95 | 7.11 | 3.03 | 18.76 | 14.24 | +4.52 | 48.01 | 43.17 | +4.84 | 6.8 | 4.6 | Rangpore | Rangpore | NORTH BENGAL. | | |
| 96 | 3.6 | 5.96 | 8.20 | 4.07 | 32.40 | 21.26 | +11.14 | 60.07 | 61.10 | +18.97 | 6.8 | 5.7 | Jalpigore | Jalpigore | | | |
| 99 | 8.9 | 12.00 | 17.86 | 6.08 | 61.44 | 33.19 | +28.25 | 98.27 | 68.25 | +30.02 | 7.0 | 5.8 | Darjeeling | Darjeeling Hill Tracts | | | |
| 93 | 9.9 | 5.64 | | 3.33 | | 14.31 | | 25.74 | | | | 5.7 | Purneah | Purneah | NORTH BENGAL. | | |
| 94 | 8.4 | 8.27 | 6.95 | 2.85 | 20.42 | 11.91 | +8.51 | 30.86 | 20.72 | +10.14 | 6.7 | 5.5 | Moulapore | North Bhagulpore | | | |
| 92 | 9.0 | 8.61 | 7.48 | 2.80 | 22.94 | 11.91 | +11.03 | 35.00 | 21.29 | +13.71 | 6.0 | 5.6 | Durbhunga | Durbhunga | | | |
| 90 | 9.7 | 9.79 | 8.17 | 2.89 | 23.39 | 12.09 | +11.30 | 39.76 | 22.13 | +17.63 | 6.0 | 5.2 | Mothbari | Champuram | NORTH BENGAL. | | |
| 94 | 7.1 | 10.41 | 6.69 | 3.65 | 17.91 | 13.64 | +4.27 | 30.11 | 20.19 | +9.92 | 7.0 | 5.3 | Chupra | Sacra | | | |
| 91 | 9.1 | 3.72 | | | | | | | | | | | Dehree | | | | |
| 92 | 9.0 | 3.00 | 3.88 | 3.33 | 16.35 | 11.93 | +4.42 | 27.77 | 17.79 | +9.98 | 6.6 | 4.8 | Shahabad | Shahabad | NORTH BENGAL. | | |
| 93 | 9.1 | 4.57 | 3.47 | 4.21 | 17.94 | 12.71 | +5.23 | 32.04 | 19.74 | +12.30 | 6.3 | 4.0 | Gya | Gya | | | |
| 93 | 9.7 | 7.43 | 6.52 | 3.84 | 18.64 | 12.67 | +5.97 | 25.34 | 20.25 | +5.09 | 6.5 | 4.2 | Bankipore | Patna | | | |
| 78 | 9.7 | 8.70 | 7.87 | 3.88 | 18.48 | 13.16 | +5.32 | 35.29 | 20.86 | +14.43 | 6.4 | 4.3 | Bhagulpore | South Bhagulpore | NORTH BENGAL. | | |
| 90 | 9.3 | 4.83 | 5.17 | 3.77 | 16.92 | 13.39 | +3.53 | 24.96 | 24.81 | +0.15 | 6.7 | 5.0 | Doonka | Monghyr | | | |
| 94 | 10.0 | 2.74 | 4.04 | 3.96 | 17.96 | 14.22 | +3.74 | 30.39 | 23.85 | +6.54 | 6.2 | 5.2 | Hazaribagh | South Bhagulpore | | | |
| 88 | 9.9 | 5.06 | 4.95 | 4.08 | 16.60 | 13.76 | +2.84 | 25.21 | 22.96 | +2.25 | 6.0 | 5.0 | Ranchi | South Bhagulpore | NORTH BENGAL. | | |
| 88 | 10.0 | 2.40 | 2.84 | 4.25 | 9.58 | 15.14 | -5.56 | 21.71 | 20.03 | +1.68 | 6.0 | 5.4 | Onyabassa | Monghyr | | | |
| 90 | 10.0 | 4.72 | | | | | | | | | | | Shimoga | Shimoga | | | |
| 94 | 9.7 | 3.23 | | | | | | | | | | | Dhubri | Dhubri | NORTH BENGAL. | | |
| 96 | 9.7 | 5.04 | | | | | | | | | | | Sachar | Sachar | | | |

ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.
 noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
 17 years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 1st of August 1890—concl.

| Meteorological Division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain-fall since 1st of July. | Average total rain-fall from 1st of July. | Total rain-fall since 15th May 1890. | Average rain-fall from 1st May to date. |
|--------------------------|----------------------|------------------|----------------------|--------------------|------------------|-------------------|---------------------|--------------------|------------------|-----------------------|-------------------|------------------------------------|---|--------------------------------------|---|
| | | | Saturday, 30th July. | Sunday, 31st July. | Monday, 1st Aug. | Tuesday, 2nd Aug. | Wednesday, 3rd Aug. | Thursday, 4th Aug. | Friday, 5th Aug. | Number of rainy days. | of Rainfall week. | | | | |
| NORTH BHAR | Bhupat... | Motihari ... | 3.50 | 2.07 | 0.84 | 0.17 | 2.24 | 0.23 | ..... | 6 | 0.44 | 24.30 | 10.02 | 42.28 | 20.14 |
| | | Battish ... | 1.80 | 3.21 | 0.21 | 0.00 | 0.17 | 0.85 | ..... | 6 | 0.00 | 22.40 | 13.20 | 37.10 | 22.10 |
| | | Bugaha ... | 3.54 | 5.01 | 0.21 | 2.50 | 1.86 | 0.25 | 0.03 | 7 | 14.45 | 30.00 | 47.18 | 67.18 | 32.10 |
| | | Burhara ... | 4.40 | 4.13 | 0.19 | 0.03 | 2.25 | 0.00 | 0.03 | 7 | 12.10 | 20.53 | ? | 30.40 | 20.10 |
| SOUTH BHAR | Baran | Gopalgunge ... | 1.24 | 1.34 | 1.70 | 3.40 | 0.27 | 0.84 | 0.08 | 7 | 9.07 | 24.47 | 13.00 | 25.62 | 24.10 |
| | | Bawan ... | 1.13 | 0.44 | 2.29 | 0.13 | 1.06 | 0.34 | 1.45 | 7 | 7.08 | 19.20 | 12.14 | 33.40 | 20.10 |
| | | Chuprah ... | 1.04 | 0.16 | 3.00 | 0.30 | 0.78 | 0.04 | 0.37 | 7 | 9.43 | 19.07 | 12.72 | 31.12 | 18.10 |
| | Shahabad | Buzar ... | 0.02 | 0.17 | 0.44 | 1.20 | 0.25 | 0.11 | 0.03 | 7 | 2.36 | 14.79 | 11.33 | 26.07 | 20.10 |
| | | Buzar ... | 0.32 | 1.20 | 0.05 | 0.23 | 0.44 | 0.23 | 0.10 | 7 | 2.72 | 13.03 | 11.24 | 23.30 | 14.10 |
| | | Bhaboonah ... | 1.28 | 0.30 | 0.35 | 0.30 | 0.04 | ..... | 0.04 | 6 | 3.88 | 12.19 | 13.52 | 22.00 | 10.10 |
| | | Bamraia ... | ..... | 1.05 | 0.05 | 0.39 | 0.42 | 0.11 | 0.11 | 6 | 2.20 | 13.06 | 12.14 | 23.84 | 17.10 |
| | | Arrah ... | 1.25 | 0.44 | 0.30 | 0.24 | 0.10 | 0.00 | 1.13 | 7 | 4.22 | 20.50 | 11.58 | 42.07 | 15.10 |
| | | Mohamra ... | 0.00 | 0.40 | 1.10 | ..... | 1.40 | 1.35 | 0.03 | 6 | 5.20 | 12.21 | ? | 30.21 | 15.10 |
| | Gya | Anungabad ... | ..... | 1.30 | 0.65 | 0.16 | 0.03 | 0.13 | ..... | 5 | 2.29 | 14.01 | 12.67 | 24.04 | 19.10 |
| | | Gya ... | ..... | 1.34 | 1.28 | 0.32 | 0.04 | 0.45 | 0.78 | 6 | 4.37 | 22.55 | 13.43 | 33.51 | 21.10 |
| | | Nowadah ... | 1.44 | 0.00 | 1.63 | 0.19 | 0.10 | 0.40 | 0.37 | 7 | 4.64 | 18.42 | 12.17 | 30.12 | 19.10 |
| | | Jehanabad ... | 0.05 | 0.41 | 0.37 | 0.30 | 0.03 | 0.31 | 0.73 | 7 | 2.43 | 10.46 | 12.58 | 24.49 | 15.10 |
| | | Arwal ... | ..... | 3.20 | 0.00 | 0.30 | ..... | 4.10 | 0.30 | 5 | 10.00 | ? | ? | ? | ? |
| | | Bandanagar ... | 1.01 | ..... | 0.40 | 0.70 | 1.00 | 0.00 | 1.00 | 6 | 5.01 | 19.80 | ? | 10.01 | ? |
| CHUTIA NAG-PUR. | Patna | Sherrghat ... | ..... | 1.00 | 0.80 | ..... | 0.35 | 0.50 | 1.00 | 5 | 3.65 | 10.50 | ? | 10.50 | ? |
| | | Rajauli ... | 1.00 | 1.20 | ..... | 0.33 | 0.33 | 0.40 | 0.40 | 4 | 2.03 | 13.77 | ? | 24.11 | ? |
| | | PakriBarawan ... | ..... | 2.80 | 0.10 | 0.22 | 0.33 | ..... | 0.40 | 5 | 4.15 | 14.40 | ? | 30.84 | ? |
| | | Patna ... | 0.38 | 1.80 | 0.11 | 2.78 | 0.15 | 1.74 | ..... | 6 | 7.43 | 17.41 | 12.36 | 20.68 | 20.10 |
| | | Imampur ... | 1.00 | 1.83 | 0.10 | 0.41 | 0.41 | 0.45 | 0.07 | 7 | 5.59 | 14.92 | 12.00 | 24.40 | 19.10 |
| | | Nohar ... | 0.77 | 3.24 | 0.12 | 0.03 | 0.12 | 0.02 | 0.12 | 7 | 6.17 | 15.68 | 13.04 | 27.00 | 21.10 |
| | South Bhagalpore | Barth ... | 0.70 | 3.60 | 0.42 | 1.20 | 0.01 | ..... | 0.42 | 6 | 0.80 | 14.18 | 12.70 | 22.13 | 19.10 |
| | | Bickram ... | 1.43 | 0.32 | 0.23 | 0.07 | 0.03 | 0.03 | 0.49 | 7 | 3.20 | 22.07 | ? | 30.67 | ? |
| | | Hila ... | 0.18 | ..... | ..... | 0.04 | 0.07 | 0.05 | 0.48 | 5 | 3.16 | 14.18 | ? | 30.85 | ? |
| | | Bogossar ... | 0.33 | 3.27 | 0.54 | 1.29 | 1.20 | ..... | 1.40 | 6 | 8.06 | 15.48 | 11.53 | 27.00 | 10.10 |
| | | Momhyr ... | 0.81 | 5.00 | 0.44 | 0.44 | 0.70 | 0.07 | 1.85 | 7 | 10.05 | 20.49 | 12.88 | 37.30 | 21.10 |
| | | Jamul ... | 3.24 | 2.10 | 0.07 | 0.35 | 2.72 | 0.13 | 0.13 | 7 | 7.85 | 21.06 | 13.32 | 41.27 | 21.10 |
| CHUTIA NAG-PUR. | South Bhagalpore | Gopri ... | 1.20 | 0.55 | ..... | 1.27 | 2.31 | 0.46 | 2.25 | 6 | 14.13 | 30.35 | ? | 45.60 | ? |
| | | Shalkpore ... | 0.01 | ..... | 1.00 | 0.50 | 3.00 | ..... | 3.10 | 5 | 8.61 | 16.74 | ? | 29.83 | ? |
| | | Bhagulpore ... | ..... | 2.11 | 0.37 | 1.35 | 0.03 | 0.06 | 3.40 | 6 | 8.91 | 21.37 | 12.05 | 24.60 | 21.10 |
| | | Barka ... | ..... | 1.10 | 0.42 | 0.44 | 0.56 | 0.85 | 1.01 | 6 | 4.44 | 13.40 | 11.05 | 25.97 | 20.10 |
| | | Kilgong ... | 0.04 | 2.80 | 0.30 | 0.03 | ..... | 0.22 | 0.72 | 6 | 4.96 | 21.05 | ? | 38.44 | ? |
| | | Banggan ... | 1.14 | 13.33 | ..... | ..... | ..... | ..... | ..... | 2 | 14.07 | 2.20 | ? | 40.78 | ? |
| | Ronthal Por gunnahs. | Rajmahal ... | 0.38 | 0.91 | ..... | 0.36 | 0.23 | 0.40 | 3.48 | 6 | 0.22 | 15.35 | 13.32 | 20.44 | 20.10 |
| | | Godha ... | ..... | 3.50 | 0.08 | 0.76 | 0.25 | 0.20 | 1.50 | 6 | 5.23 | 14.08 | 11.72 | 32.44 | 20.10 |
| | | Panour ... | 0.24 | 1.18 | 0.39 | 0.31 | 0.30 | 0.10 | 0.08 | 7 | 3.59 | 14.38 | 12.54 | 40.37 | 20.10 |
| | | Nya Doonka ... | 0.40 | 1.13 | 0.15 | 0.76 | 0.32 | 0.40 | 1.09 | 7 | 4.45 | 19.00 | 14.03 | 30.74 | 20.10 |
| | | Dooghur ... | 1.30 | 1.22 | 0.08 | 0.37 | 3.72 | 0.21 | 1.00 | 7 | 7.08 | 16.50 | 14.09 | 31.01 | 21.10 |
| | | Jamitara ... | 0.25 | 0.20 | 0.23 | 1.11 | 0.26 | 1.28 | 0.22 | 7 | 3.40 | 16.43 | 13.00 | 39.03 | 24.10 |
| CHUTIA NAG-PUR. | Ranthal Por gunnahs. | Mohagama ... | ..... | 1.85 | 0.34 | ..... | 1.20 | 0.88 | 2.15 | 5 | 6.50 | ? | ? | ? | ? |
| | | Namra ... | 0.33 | 0.42 | 0.32 | 0.03 | 0.01 | ..... | 0.01 | 6 | 3.36 | 11.22 | ? | 18.48 | ? |
| | Ranthal Por gunnahs. | Pachama ... | 0.57 | 0.43 | 0.03 | 0.76 | 2.78 | 0.02 | 0.30 | 7 | 4.07 | 16.58 | 12.93 | 36.16 | 22.10 |
| | | (Girdi) ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | Hazaribach ... | 0.60 | 0.76 | 0.47 | 0.06 | 0.10 | 0.10 | 0.05 | 7 | 2.74 | 20.14 | 13.83 | 30.02 | 22.10 |
| | | Semtarurah ... | 0.35 | 0.70 | 0.54 | 0.10 | 0.23 | 0.10 | 0.05 | 5 | 2.47 | 13.94 | 13.30 | 24.60 | 22.10 |
| | | Mahudi Hills ... | 3.30 | 0.10 | 0.70 | 0.00 | 0.40 | 0.20 | ..... | 6 | 5.80 | 20.54 | 17.43 | 34.44 | 22.10 |
| CHUTIA NAG-PUR. | Ranthal Por gunnahs. | Narhi ... | 0.24 | 1.00 | 0.40 | 0.00 | 0.15 | 0.04 | ..... | 7 | 4.13 | 20.31 | 13.01 | 31.01 | 22.10 |
| | | Chatra ... | 0.37 | 0.26 | 0.40 | 0.20 | 0.00 | ..... | 0.04 | 6 | 4.47 | 17.36 | ? | 25.44 | ? |
| | | Karagdeha ... | 0.75 | 0.33 | 0.36 | 0.27 | 1.25 | 0.33 | 0.17 | 7 | 2.60 | 17.21 | ? | 34.81 | ? |
| | | Kamgar ... | 1.00 | ..... | ..... | 1.22 | ..... | ..... | 0.00 | 5 | 2.58 | 12.07 | ? | 22.06 | ? |
| | Lohardugga | Lohardugga ... | 0.31 | 0.70 | 0.45 | 0.18 | 0.73 | 0.35 | 0.22 | 7 | 3.36 | 14.00 | 13.36 | 23.64 | 22.10 |
| | | Kanoli ... | ..... | 2.04 | ..... | 1.20 | 0.77 | 2.33 | 1.20 | 5 | 5.06 | 14.88 | 14.75 | 25.18 | 22.10 |
| | | Palanow ... | 1.20 | 0.01 | ..... | 1.10 | 0.50 | 0.06 | ..... | 5 | 4.06 | 13.13 | ? | 26.23 | ? |
| | | Silli ... | ..... | 0.00 | ..... | 1.00 | 3.00 | ..... | ..... | 3 | 4.50 | 11.40 | ? | 21.90 | ? |
| | | Raimat ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | Hosainabad ... | ..... | ..... | 0.50 | 0.58 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| CHUTIA NAG-PUR. | Ningbhoon | Chyabasa ... | ..... | 0.07 | 0.11 | 0.30 | 0.70 | 0.33 | 0.16 | 6 | 2.84 | 9.58 | 15.14 | 21.71 | 20.10 |
| | | Chakrasar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | | Chusilla ... | ..... | 0.12 | 2.00 | 0.20 | 0.70 | 0.07 | ..... | 5 | 4.29 | 16.88 | ? | 31.42 | ? |
| | | Baharagura ... | 0.30 | ..... | 0.52 | ..... | 0.15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | Mandbhoon | Pavalia ... | 0.08 | 0.42 | 0.45 | 0.18 | 0.53 | 0.26 | 0.06 | 7 | 3.33 | 11.48 | 13.56 | 26.38 | 24.10 |
| | | Gohnupore ... | 0.38 | 1.42 | 0.10 | 0.13 | 0.40 | 0.16 | 0.04 | 7 | 2.67 | 10.14 | 12.20 | 22.29 | 21.10 |
| | | Kapaneeta ... | ..... | 0.22 | ..... | 0.21 | 1.04 | 1.05 | ..... | 6 | 2.59 | 17.75 | ? | 34.20 | ? |
| | | Durrabhoon ... | ..... | 1.50 | 0.60 | 1.00 | 1.30 | 0.80 | ..... | 5 | 5.40 | 17.00 | ? | 30.10 | ? |
| | | Jhalda ... | 0.32 | ..... | 1.08 | 1.32 | 1.10 | 0.17 | 0.08 | 6 | 5.01 | 17.98 | ? | 31.03 | ? |
| | | Chau ... | 0.25 | 1.30 | 0.15 | 0.33 | 2.09 | 0.27 | 0.30 | 7 | 6.03 | 12.30 | ? | 28.34 | ? |

Explanation.—..... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 5th August 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE
1ST OF AUGUST 1890.**

THE important features of the weather of the past week have been the very heavy continuous rain in the northern districts, moderate general rain in the south of the province with the exception of Orissa, and the very cool weather for the season which has prevailed in all districts. At the commencement of the week gradients were steep over the Bay with a strong monsoon blowing, and ships arriving in port reported fresh to strong breezes with heavy rain squalls. The current from the Bay was confined to the eastern districts, as for several days a steady westerly wind was blowing over the western half of the province. The interaction of these two currents evidently caused the phenomenal rainfall which has been reported from Behar and North Bengal throughout the week, as amounts began to diminish when easterly winds recommenced and the Bay current was allowed to take its normal course up the Gangetic plain. Pressure has been generally above the normal, and changes have rarely exceeded a twentieth of an inch. At first there was a general small defect above a twentieth of an inch in Behar only, and then the ordinary wind circulation prevailed, except that directions were south or south-west in North Bengal and over the whole of South Behar, but the usual easterly winds continued at the western stations of North Behar. A brisk rise of pressure on the 27th over the western districts displaced the area of lowest pressure towards the east, and the inrush of westerly winds became general, very heavy rain being received in East and North Bengal and Behar. Pressure continued rising on the 28th, but a general slow fall on the 29th, increasing in amount towards the north-west, gave a more normal distribution, and easterly winds set in over North Bengal and North Behar; the rainfall at the same time, though still heavy, beginning to diminish in quantity, except in the west of North Behar. On the 30th pressure fell briskly in Orissa and slowly over the rest of the province, a very uniform distribution resulting over the western half of the province, but in the Bay and East Bengal gradients were still steeper than usual. Winds had an easterly tendency except in Chutia Nagpur and Orissa, where slow indraught was taking place towards the north-west corner of the Bay. Rainfall was very light except in the Darjeeling Hills and the west of North Behar; but even there amounts were only moderate. From the 30th till the end of the week a steady increase of pressure continued, normal monsoon winds were blowing in all districts, and temperature, though generally below the normal, was rising; while rainfall had ceased in Lower Bengal and was light, though general, elsewhere.

Pressure—Has never differed much from the normal, and has been more frequently above than below. The weekly means are hence above the normal at all stations, the difference being largest in South-West and East Bengal and Assam, where it is from two to three-hundredths of an inch. In the other districts it is generally between one and two-hundredths of an inch. The only occasions of changes greater than a twentieth of an inch were on the 27th, when it rose about $\cdot 07$ inch in the western districts; on the 28th at a few stations in the east of the province; on the 30th in Orissa, where pressure fell $\cdot 06$ inch; and on the 31st, when there was a rise of $\cdot 06$ inch in Assam.

Temperature—Fell steadily during the first three days, rose on the 29th, again fell on the 30th, and then rose till the end of the week. Changes have generally been moderate and fairly regular, and the distribution has been everywhere largely below the normal. The mean defect for the week in Behar is $3\cdot 6^{\circ}$, in Assam $3\cdot 3^{\circ}$, in North Bengal and Chutia Nagpur $2\cdot 4^{\circ}$, in East Bengal $1\cdot 8^{\circ}$, and in Orissa and South-West Bengal $1\cdot 6^{\circ}$.

Rainfall—As compared with the normal, has been very heavy in North Bengal and Behar, moderately heavy in East Bengal and South Behar, about normal in South-West Bengal and Chutia Nagpur, and considerably below the normal in Orissa. The fall in North Bengal is exactly double the normal, and in North Behar nearly two and a half times the normal; while in East Bengal, though the average fall is as heavy as in North Bengal, excess is only $1\cdot 5$ inches. Rainfall in the south-west corner of the province, and especially in Orissa, has been rather scattered, but elsewhere rain has fallen at almost every station on every day of the week, as shown by the average number of rainy days being $6\cdot 5$ in all districts except Orissa and South-West Bengal. In Orissa the heaviest fall was $3\cdot 6$ inches at Cuttack; in South-West Bengal a few stations received from 5 to 8 inches, but generally falls were between 2 and 5 inches, the heaviest being Berhampore $11\cdot 4$ and Jhenidah $9\cdot 5$ inches. In Furreedpore and Dacca falls were under 5 inches, but elsewhere in East Bengal they were generally between 5 and 10 inches. Chittagong received 22 and Cox's Bazar $15\cdot 4$ inches. In North Bengal falls were between 5 and 10 inches, except in Julpigoree, Cooch Behar, and the Darjeeling Hills. Siligoree and Darjeeling received about 22, Bhagatpore and Kurseong $16\cdot 5$, Buxa 15 , and Dinhatta 14 inches. The falls in North Behar were nearly always between 6 and 8 inches, Bagaha and Burhurwa, in the Chumparun district, receiving more than 12 inches. In Shahabad and Gya falls were generally under 5 inches and in the other districts of South Behar between 5 and 7 inches; while in Chutia Nagpur amounts were more irregular, ranging from 2 to 8 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 1st August 1890:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | | RAINFALL. | | | | | | | | | |
|------------------------------|-------------------------------|------------------------------|-------------------------|------------------------|-----------------------|---|-----------|-----------------|------------|----------------------------|-------------------------------------|------------|-----------------------|-----------------|------------------------|-----------------|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above of below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st of July. | | Since 1st May 1890. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average num- ber in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Orissa | 90.7 | 75.1 | 85.7 | 77.5 | 81.6 | -1.6 | 1.02 | 3.85 | -1.23 | 3.5 | 4.1 | -0.6 | 12.39 | 12.78 | 20.37 | 23.05 |
| South-West Bengal ... | 89.3 | 73.3 | 86.3 | 77.2 | 83.0 | -1.6 | 3.77 | 3.67 | +0.10 | 5.4 | 4.5 | +0.9 | 12.43 | 12.64 | 30.76 | 25.51 |
| East Bengal | 87.6 | 72.8 | 84.5 | 75.0 | 80.3 | -1.8 | 6.56 | 5.01 | +1.55 | 6.4 | 3.1 | +1.3 | 20.08 | 17.13 | 43.66 | 39.81 |
| North Bengal | 88.6 | 74.1 | 86.3 | 76.8 | 81.2 | -2.4 | 6.51 | 3.36 | +3.25 | 6.5 | 4.7 | +1.8 | 19.31 | 14.28 | 46.45 | 37.44 |
| North Bihar | 88.3 | 74.9 | 86.3 | 76.9 | 80.6 | -3.0 | 7.46 | 3.10 | +4.33 | 6.6 | 4.0 | +2.6 | 21.32 | 12.80 | 36.09 | 23.28 |
| South Bihar | 87.9 | 74.3 | 85.7 | 76.7 | 80.3 | -3.4 | 5.17 | 3.83 | +1.34 | 6.5 | 4.3 | +2.2 | 17.24 | 13.56 | 31.71 | 24.91 |
| Chuttia Nagpur | 88.9 | 69.4 | 80.3 | 71.1 | 78.7 | -2.4 | 4.03 | 4.01 | +0.01 | 6.3 | 5.1 | +1.2 | 15.10 | 13.94 | 26.23 | 23.61 |
| Assam | 89.6 | 74.3 | 85.0 | 76.3 | 80.7 | -3.3 | | | | | | | | | | |

* Chyabasa not included.

METEOROLOGICAL OFFICE, BENGAL;

C. LITTLE,

The 5th August 1890.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 27th July to 2nd August 1890.

| MONTH. | Date. | Pressure at 10 A.M. corrected and reduced to 32° Fahr. | TEMPERATURE. | | | | | | HYGROMETRY. | | | Rainfall per 24 hours. |
|------------|----------|--|--------------|----------|--------|----------|---------------------|---------------------|----------------------------|----------------------|---------------------|------------------------|
| | | | Daily mean. | Maximum. | Range. | Minimum. | Dry bulb at 10 A.M. | Wet bulb at 10 A.M. | Vapour pressure at 10 A.M. | Dew point at 10 A.M. | Humidity at 10 A.M. | |
| | | Inches. | ° | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| July ... | 27th ... | 29.410 | 81.3 | 85.9 | 9.2 | 76.7 | 81.6 | 79.5 | .981 | 78.7 | 91 | 0.53 |
| " ... | 28th ... | .858 | 81.4 | 86.9 | 11.1 | 75.3 | 83.1 | 80.5 | 1.008 | 79.5 | 89 | 0.56 |
| " ... | 29th ... | .699 | 81.3 | 86.3 | 10.0 | 76.3 | 83.1 | 79.5 | .961 | 78.0 | 85 | 0.09 |
| " ... | 30th ... | .583 | 83.1 | 88.8 | 11.5 | 77.3 | 83.4 | 79.5 | .958 | 77.9 | 83 | .. |
| " ... | 31st ... | .604 | 82.9 | 88.2 | 10.6 | 77.6 | 83.6 | 79.7 | .962 | 78.1 | 83 | 0.21 |
| August ... | 1st ... | .663 | 83.2 | 89.0 | 11.7 | 77.3 | 85.1 | 80.5 | .981 | 78.7 | 81 | 0.15 |
| " ... | 2nd ... | .692 | 83.9 | 90.0 | 12.3 | 77.8 | 86.9 | 81.5 | 1.004 | 79.3 | 78 | 0.02 |

The mean 10 A.M. pressure of the seven days Inches. 29.631

The mean temperature of the seven days 82.4

The extreme variation of temperature 14.2

The maximum temperature 90.0

The mean 10 A.M. relative humidity of the seven days % 84

The total fall of rain from 27th July to 2nd August 1890 Inches. 1.58

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLIAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;

The 4th August 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal municipalities of Bengal for the week ending with Saturday, the 19th July 1890.

BIRTHS.

THE births registered during the week ending with Saturday, the 19th July 1890, in twenty-seven principal towns of Bengal, correspond to an annual rate of 19·1 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 1·4 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years except 1887—*vide* the figures below:—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of births per 1,000 of the population per annum | 22·5 | 21·6 | 16·9 | 19·3 | 22·5 | 20·5 | 19·1 |

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|----------------|-----------------|-----------------|--------------|-----------------|----------------|-----------------|-----------------|
| | 28th June 1890. | 5th July 1890. | 12th July 1890. | 19th July 1890. | | 28th June 1890. | 5th July 1890. | 12th July 1890. | 19th July 1890. |
| Burdwan | 19·8 | 16·8 | 13·7 | 20·5 | Narainganj | 12·4 | 4·1 | 20·7 | 18·5 |
| Midnapore | 20·1 | 17·0 | 23·2 | 21·4 | Chittawong | 21·1 | 42·3 | 23·2 | 4·7 |
| Hughli and Chinsurah | 18·1 | 26·3 | 18·1 | 22·8 | Comillah | 38·5 | 24·7 | 2·3 | 7·7 |
| Serampore | 27·5 | 25·5 | 13·7 | 31·4 | Patna | 11·4 | 10·1 | 11·4 | 11·4 |
| Utterpara | 9·4 | 37·7 | 2·3 | 2·3 | Gya | 21·0 | 14·5 | 20·4 | 26·0 |
| Howrah | 13·2 | 21·9 | 17·9 | 14·3 | Arrah | 10·8 | 14·4 | 23·0 | 17·9 |
| Bali | 14·0 | 16·5 | 24·1 | 3·5 | Muzafferpore | 15·8 | 13·4 | 18·2 | 15·8 |
| Kishnagar | 22·5 | 1·9 | 17·0 | 15·1 | Burhanpore | 28·5 | 13·4 | 22·5 | 15·9 |
| Ranaghat | 4·0 | 18·0 | 15·0 | 12·0 | Chupra | 8·0 | 7·0 | 12·1 | 20·1 |
| Santipore | 17·5 | 12·3 | 10·5 | 10·5 | Bhagalpore | 21·7 | 29·9 | 10·0 | 22·3 |
| Jessore | ... | 6·1 | 6·1 | 18·4 | Monghyr | 23·4 | 14·5 | 28·9 | 23·4 |
| Rampore Beaulah | 24·2 | 24·4 | 18·4 | 23·6 | Patnaah | 5·5 | 17·3 | 3·5 | 6·9 |
| Darjiling | ... | 13·8 | 27·0 | 22·2 | Poori | 14·7 | 23·7 | 14·7 | 10·5 |
| Dacca | 9·7 | 11·0 | 9·7 | 15·0 | | | | | |

It will be seen that last week the highest birth-rate was returned from Monghyr (23·4), and the lowest from Bali (3·5).

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 22· per 1,000 of the population. The rate of the week is 6·4 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1888—*vide* the figures below:—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of deaths per 1,000 of the population per annum | 29·7 | 24·8 | 27·2 | 20·1 | 20·1 | 25·4 | 22·0 |

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|-----------------|----------------|-----------------|-----------------|--------------|-----------------|----------------|-----------------|-----------------|
| | 28th June 1890. | 5th July 1890. | 12th July 1890. | 19th July 1890. | | 28th June 1890. | 5th July 1890. | 12th July 1890. | 19th July 1890. |
| Burdwan | 19·8 | 16·8 | 22·9 | 19·8 | Narainganj | 20·7 | 8·8 | 24·6 | 14·6 |
| Midnapore | 20·5 | 21·7 | 23·2 | 35·6 | Chittawong | 23·5 | 27·6 | 20·9 | 15·8 |
| Hughli and Chinsurah | 27·9 | 29·0 | 21·3 | 19·7 | Comillah | 34·7 | 40·2 | 20·9 | 20·9 |
| Serampore | 29·4 | 29·4 | 29·4 | 45·1 | Patna | 14·3 | 13·3 | 14·9 | 14·6 |
| Utterpara | ... | 9·6 | 10·0 | 50·6 | Gya | 27·3 | 20·0 | 32·1 | 22·1 |
| Howrah | 8·6 | 8·6 | 11·5 | 10·0 | Arrah | 48·5 | 31·1 | 35·9 | 25·8 |
| Bali | 10·5 | 24·0 | 3·5 | 7·0 | Muzafferpore | 30·5 | 31·6 | 31·6 | 20·2 |
| Kishnagar | 13·2 | 13·2 | 3·5 | 3·5 | Burhanpore | 20·0 | 17·3 | 23·6 | 22·3 |
| Ranaghat | ... | 0·0 | 18·0 | 24·0 | Chupra | 10·1 | 8·0 | 21·1 | 10·1 |
| Santipore | 7·0 | 14·0 | 8·4 | 17·5 | Bhagalpore | 16·3 | 15·4 | 15·4 | 10·0 |
| Jessore | 12·2 | 18·4 | 30·0 | 42·8 | Monghyr | 19·9 | 20·0 | 25·3 | 20·2 |
| Rampore Beaulah | 13·8 | 15·8 | 10·5 | 5·2 | Patnaah | 27·7 | 10·4 | 13·9 | 10·4 |
| Darjiling | 20·5 | 21·9 | 22·2 | 37·0 | Poori | 245·5 | 20·0 | 65·0 | 44·1 |
| Dacca | 19·5 | 21·4 | 15·0 | 23·4 | | | | | |

It will be seen that last week the highest mortality occurred in the town of Utterpara (56·6), and the lowest in Kishnagar (3·8).

Measured by last week's mortality, the highest annual death-rates from the following registered death-causes were as follows:—

| Cholera. | | Fever. | | Bowel-complaints. | | Other causes. | |
|--------------|------------------|---------|------------------|-------------------|------------------|---------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Serampore | ... 11·8 | Jessore | ... 42·8 | Midnapore | ... 10·8 | Serampore | ... 19·6 |
| Arrah | ... 10·7 | | | | | Poori | ... 18·9 |
| Mozufferpore | ... 9·7 | | | | | Midnapore | ... 17·0 |
| Midnapore | ... 6·2 | | | | | Gya | ... 15·7 |
| Chupra | ... 4·0 | | | | | | |
| Durbhanga | ... 3·1 | | | | | | |
| Patna City | ... 2·3 | | | | | | |

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 2·5 from cholera, against 3·7 per 1,000 in the preceding week; 4 from small-pox, against 5; 8·6 from fever, against the same ratio; 3·1 from bowel-complaints, against 2·1; 8 from injury, against 5; and 6·6 from other causes, against 6 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

| According to Sex. | | According to Class. | | According to Age. | |
|--|------------------|---------------------|------------------|----------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Males | ... 23·5 | Hindus | ... 23·5 | Under 1 year | ... 159·8 |
| Females | ... 20·4 | Mahomedans | ... 18·9 | 1 and under 5 years | ... 34·1 |
| Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population ... | 115 | | | 5 " 10 " | ... 18·9 |
| | | | | 10 " 15 " | ... 12·4 |
| | | | | 15 " 20 " | ... 14·8 |
| | | | | 20 " 30 " | ... 31·8 |
| | | | | 30 " 40 " | ... 14·5 |
| | | | | 40 " 50 " | ... 15·8 |
| | | | | 50 " 60 " | ... 22·8 |
| | | | | 60 years and upwards | ... 46·7 |

Detailed information regarding the vital statistics of the twenty-seven towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 4th August 1890.

Sanitary Commissioner for Bengal.

| DISTRICTS. | NAMES OF MUNICIPALITIES. | POPULATION. | | | BIRTHS. | | | DEATHS FROM— | | | | | | | | | | DISEASE. | | | SEX. | | | Ratio of male deaths to every 100 female births. | | | | | | | | | |
|---------------|--------------------------|-------------|----------|---------|------------|--|----------|--------------|----------|------------|----------|---------|-----------------|-------------|----------|------------|----------|----------|-----------------|-------------|---|--------|----------|--|--|----------|--------|--------|----------|--------|--------|----------|--------|
| | | Males. | Females. | Total. | NUMBER OF— | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | Cholera. | Small-pox. | Typhoid. | Injury. | Other diseases. | All causes. | Obolera. | Small-pox. | Typhoid. | Injury. | Other diseases. | All causes. | Ratio of deaths per 1,000 of population per annum in the previous year. | Males. | Females. | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | |
| | | | | | | Males. | Females. | Total. | | | | | | | | | | | | | | | | | Males. | Females. | Total. | Males. | Females. | Total. | Males. | Females. | Total. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burdwan | Burdwan | 19,003 | 16,017 | 35,020 | 9 | 11 | 20 | 137 | 168 | 30.5 | 81 | 13 | 6.1 | 1.3 | 4.6 | 19.4 | 23.6 | 7 | 6 | 30.2 | 18.5 | 103 | | | | | | | | | | | |
| Midnapore | Midnapore | 16,937 | 16,033 | 32,970 | 15 | 7 | 22 | 108 | 108 | 29.4 | 171 | 11 | 1.3 | 1.3 | 17.0 | 35.6 | 23.1 | 14 | 9 | 43.0 | 28.1 | 123 | | | | | | | | | | | |
| Hughli | Hughli and Chinsurah. | 12,896 | 12,325 | 25,221 | 11 | 9 | 20 | 18.0 | 14.8 | 32.8 | 122 | 2 | 1.5 | 1.5 | 3.3 | 19.7 | 21.3 | 6 | 6 | 19.7 | 18.7 | 100 | | | | | | | | | | | |
| Barrackpore | Barrackpore | 13,309 | 12,937 | 26,246 | 11 | 5 | 16 | 21.6 | 9.8 | 31.4 | 220 | 10 | 1.6 | 1.6 | 19.6 | 45.1 | 29.4 | 14 | 9 | 53.7 | 30.3 | 146 | | | | | | | | | | | |
| Howrah | Howrah | 3,465 | 2,464 | 5,929 | 1 | 2 | 3 | 9.4 | 16.9 | 26.3 | 80 | 1 | 1.8 | 1.8 | 9.4 | 26.6 | 18.9 | 4 | 2 | 68.3 | 43.3 | 101 | | | | | | | | | | | |
| Howrah | Howrah | 23,183 | 37,666 | 60,849 | 18 | 7 | 25 | 10.3 | 4.0 | 14.3 | 257 | 2 | 1.1 | 1.1 | 4.0 | 16.0 | 11.6 | 17 | 11 | 16.4 | 15.2 | 109 | | | | | | | | | | | |
| Howrah | Bali | 7,836 | 6,979 | 14,815 | ... | 1 | 1 | ... | 3.5 | 3.5 | ... | ... | ... | ... | ... | 7.0 | 3.5 | 2 | ... | 13.3 | ... | ... | | | | | | | | | | | |
| Medinipur | Kabnagar | 13,363 | 14,314 | 27,677 | 5 | 3 | 8 | 9.5 | 5.6 | 15.1 | 166 | ... | ... | ... | ... | 3.8 | 3.8 | 3 | ... | 7.8 | ... | ... | | | | | | | | | | | |
| Medinipur | Ranaghat | 4,035 | 4,035 | 8,070 | 2 | ... | ... | 12.0 | ... | 12.0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Medinipur | Santipur | 13,706 | 19,979 | 33,685 | 6 | 6 | 12 | 10.5 | 5.8 | 16.3 | 120 | 2 | 1.1 | 1.1 | 1.7 | 3.5 | 8.3 | 6 | 4 | 23.6 | 13.6 | 175 | | | | | | | | | | | |
| Medinipur | Jessore | 4,800 | 3,468 | 8,268 | ... | 3 | 3 | ... | 18.4 | 18.4 | ... | ... | ... | ... | ... | 42.8 | ... | ... | ... | 43.1 | 43.6 | 101 | | | | | | | | | | | |
| Medinipur | Rampore Beaulah | 16,766 | 9,026 | 25,792 | 5 | 4 | 9 | 13.1 | 10.5 | 23.6 | 135 | 1 | ... | ... | ... | 3.6 | 5.9 | 10.5 | ... | ... | ... | ... | | | | | | | | | | | |
| Medinipur | Darjiling | 4,579 | 4,439 | 9,018 | 2 | 1 | 3 | 14.6 | 7.4 | 22.0 | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Medinipur | Dacca | 42,783 | 37,379 | 80,162 | 9 | 15 | 24 | 5.8 | 9.7 | 15.5 | 60 | 1 | 1.2 | 1.2 | 7.8 | 33.4 | 15.6 | 20 | 16 | 24.3 | 22.3 | 130 | | | | | | | | | | | |
| Medinipur | Narainpur | 7,095 | 4,935 | 12,030 | 1 | 3 | 4 | 4.1 | 12.4 | 16.5 | 33 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Chittagong | Chittagong | 13,340 | 8,799 | 22,139 | 1 | 1 | 2 | 3.3 | 3.3 | 6.6 | 100 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Tipperah | Comillah | 3,183 | 5,333 | 8,516 | 1 | 1 | 2 | 3.8 | 3.8 | 7.6 | 106 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Patna | Patna City | 76,723 | 61,675 | 138,398 | 20 | 15 | 35 | 6.5 | 6.5 | 13.0 | 135 | 7 | 1.7 | 1.7 | 6.1 | 16.6 | 24.8 | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Gya | Gya | 38,599 | 37,331 | 75,930 | 16 | 23 | 39 | 10.9 | 13.0 | 23.9 | 72 | 23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Shahabad | Arrah | 30,900 | 25,606 | 56,506 | 9 | 6 | 15 | 10.7 | 7.2 | 17.9 | 150 | 9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Monufierpore. | Monufierpore | 43,094 | 19,633 | 62,727 | 6 | 8 | 14 | 6.1 | 9.7 | 15.8 | 63 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Durbhanga | Durbhanga | 33,774 | 32,333 | 66,107 | 9 | 15 | 24 | 7.1 | 11.8 | 18.9 | 69 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Saran | Chupra | 25,116 | 34,554 | 59,670 | 13 | 7 | 20 | 13.1 | 7.0 | 20.1 | 185 | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Shahpur | Shahpur | 29,640 | 27,013 | 56,653 | 12 | 16 | 28 | 10.8 | 14.5 | 25.3 | 75 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Monohyr | Monohyr | 23,154 | 20,995 | 44,149 | 14 | 23 | 37 | 12.6 | 30.8 | 43.4 | 64 | 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Purneah | Purneah | 4,463 | 4,463 | 8,926 | ... | 2 | 2 | ... | 6.9 | 6.9 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Poonah | Poonah | 13,247 | 11,637 | 24,884 | 1 | 3 | 4 | 4.3 | 3.3 | 7.6 | 66 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | | | | | | |
| Total | Total | 150,946 | 129,526 | 280,472 | 194 | 103 | 347 | 9.5 | 9.6 | 19.1 | 99 | 131 | 449 | 2.5 | 4 | 8.6 | 3.1 | 6.6 | 22.0 | 21.4 | 249 | 253 | 115 | | | | | | | | | | |

| | | 13 | | | | 14 | | | | 15 | | | | 16 | | | | | | | | | | | | | | | | | | |
|--------------|--------------------------|-------------------------|---------|-------------|------------|--|-------------|---------|-------------|------------|----------------|---------------|----------------------|-----------------------|------------------------|------------------------|------------------------|--|------------------------|------------------------|-----------------------|---------------|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-------|
| | | MORTALITY ACCORDING TO- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Class. | | | | | | | | Age. | | | | | | | | | | | | | | | | | | | | | | |
| DISTRICTS. | NAMES OF MUNICIPALITIES. | DEATHS AMONG- | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | DEATHS. | | | | | | | | RATIO PER 1,000 OF POPULATION PER ANNUM. | | | | | | | | | | | | | | |
| | | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Christians. | Hindus. | Mahomedans. | Buddhists. | Other classes. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | Under 1 year. | 1 and under 5 years. | 5 and under 10 years. | 10 and under 15 years. | 15 and under 20 years. | 20 and under 30 years. | 30 and under 40 years. | 40 and under 50 years. | 50 and under 60 years. | 60 years and upwards. | |
| Burdwan | Burdwan | ... | 11 | 2 | ... | ... | 24.3 | 10.1 | ... | ... | 2 | 2 | 2 | ... | ... | 1 | 3 | 1 | ... | 2 | 157.6 | 46.1 | 44.6 | ... | ... | ... | 6.6 | 22.6 | 11.8 | ... | 70.2 | |
| Midnapore | Midnapore | ... | 20 | 3 | ... | ... | 40.1 | 21.6 | ... | ... | 4 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 5 | 279.9 | 44.2 | 27.7 | 17.1 | 16.5 | ... | 7.1 | 28.1 | 27.9 | 80.4 | 142.1 | |
| Hugli | Hugli and Chinsurah | ... | 18 | 2 | ... | ... | 20.8 | 16.9 | ... | ... | 2 | 1 | 1 | ... | ... | 3 | ... | 2 | 2 | 1 | 129.5 | 23.4 | 18.0 | ... | ... | ... | 25.1 | ... | 24.9 | 40.0 | 25.1 | |
| Serampore | Serampore | ... | 22 | 1 | ... | ... | 45.3 | 25.4 | ... | ... | 3 | 6 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 219.7 | 172.9 | 41.4 | 40.8 | 47.6 | ... | 9.7 | 20.9 | 30.3 | 54.3 | 37.4 | |
| | Utterpara | ... | 6 | ... | ... | ... | 55.6 | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | 1 | 1 | 323.0 | 123.3 | 111.6 | ... | 118.2 | ... | ... | ... | 141.3 | 200.0 | | |
| Howrah | Howrah | ... | 23 | 6 | ... | ... | 17.6 | 12.7 | ... | ... | 3 | 2 | 2 | 1 | ... | 4 | 7 | 2 | 2 | 5 | 75.6 | 18.6 | 16.5 | 7.9 | ... | ... | 9.2 | 18.9 | 3.6 | 18.9 | 60.3 | |
| | Balli | ... | 2 | ... | ... | ... | 7.8 | ... | ... | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 52.1 | 46.8 | ... | ... | ... | ... | ... | ... | ... | | |
| Wodden | Kishnagar | ... | ... | 2 | ... | ... | ... | 12.6 | ... | ... | 1 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 104.8 | 21.1 | ... | ... | ... | ... | ... | ... | ... | 71.6 | ... | |
| | Ranaghat | ... | 3 | 1 | ... | ... | 21.3 | 38.1 | ... | ... | 1 | ... | ... | ... | ... | 1 | 1 | ... | 1 | ... | 261.2 | ... | ... | ... | ... | ... | 34.5 | 41.7 | ... | ... | ... | |
| | Santipore | ... | 4 | ... | ... | ... | 10.0 | 34.9 | ... | ... | 3 | 1 | 2 | ... | ... | ... | 1 | 1 | ... | 2 | 184.6 | 17.9 | 27.5 | ... | ... | ... | ... | 12.0 | 14.8 | ... | ... | 53.0 |
| Jessore | Jessore | ... | 2 | 5 | ... | ... | 22.1 | 68.0 | ... | ... | ... | 1 | 1 | 1 | ... | 3 | ... | ... | ... | 1 | ... | 105.3 | 65.6 | 78.2 | ... | ... | ... | 77.5 | ... | ... | ... | 113.6 |
| Rajshahye | Rampore Bannicheh | ... | 2 | ... | ... | ... | 10.5 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 123.1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 41.9 |
| Darjiling | Darjiling | ... | 6 | ... | ... | ... | 56.6 | ... | ... | ... | 1 | 1 | 1 | ... | ... | ... | 1 | 1 | ... | ... | 429.8 | 80.9 | 86.9 | ... | ... | ... | ... | 36.3 | 75.1 | ... | ... | ... |
| Dacca | Dacca | ... | 18 | 18 | ... | ... | 33.2 | 23.8 | ... | ... | 3 | 6 | ... | 2 | 2 | 5 | 7 | 4 | 1 | 6 | 82.2 | 42.3 | ... | 13.1 | 14.2 | 17.0 | 31.2 | 24.0 | 11.0 | ... | ... | 86.0 |
| | Narsinganj | ... | 2 | 2 | ... | ... | 16.4 | 16.9 | ... | ... | 2 | ... | ... | ... | ... | ... | ... | 1 | ... | 1 | 372.9 | ... | ... | ... | ... | ... | ... | ... | 37.3 | ... | ... | 79.2 |
| Chittagong | Chittagong | ... | 2 | 6 | ... | ... | 17.9 | 20.4 | ... | ... | 1 | 1 | ... | 1 | ... | 1 | ... | 1 | ... | 3 | 98.4 | 26.4 | ... | 20.2 | ... | ... | 11.2 | ... | 23.0 | ... | ... | 196.0 |
| Tipperah | Comillah | ... | 3 | 4 | ... | ... | 26.2 | 29.1 | ... | ... | 3 | ... | ... | ... | ... | ... | 1 | 2 | ... | 1 | 823.3 | ... | ... | ... | ... | ... | ... | 26.1 | 79.1 | ... | ... | 76.7 |
| Patna | Patna City | ... | 37 | 8 | ... | ... | 16.2 | 10.2 | ... | ... | 16 | 7 | 2 | 2 | 1 | 6 | 4 | 1 | 4 | 2 | 168.9 | 24.9 | 9.3 | 7.2 | 9.3 | 10.8 | 8.9 | 2.8 | 14.7 | 7.5 | ... | ... |
| Gya | Gya | ... | 41 | 6 | ... | ... | 26.5 | 19.4 | ... | ... | 12 | 5 | 3 | ... | 2 | 2 | 1 | 9 | 3 | 10 | 348.6 | 40.9 | 22.3 | ... | 19.9 | 7.1 | 6.1 | 47.9 | 23.7 | 101.0 | ... | ... |
| Shahabad | Arrah | ... | 17 | 3 | ... | ... | 23.5 | 12.6 | ... | ... | 1 | 3 | 5 | 2 | 2 | 2 | 2 | ... | 2 | 1 | 40.4 | 35.1 | 56.7 | 21.3 | 32.4 | 13.2 | 16.2 | ... | ... | 33.6 | 18.0 | ... |
| Mosufferpore | Mosufferpore | ... | 21 | 3 | ... | ... | 30.4 | 12.5 | ... | ... | 3 | 4 | ... | 3 | 2 | 3 | 5 | 2 | 2 | ... | 163.4 | 51.3 | ... | 39.4 | 34.3 | 18.2 | 37.3 | 30.8 | 32.0 | ... | ... | ... |
| Durbhanga | Durbhanga | ... | 30 | 11 | ... | ... | 31.2 | 31.6 | ... | ... | 5 | 7 | 5 | 5 | 1 | 4 | 2 | 3 | 3 | 6 | 167.0 | 47.8 | 35.2 | 46.8 | 12.9 | 15.6 | 9.3 | 21.0 | 24.6 | 97.7 | ... | ... |
| Baran | Chupra | ... | 10 | 6 | ... | ... | 13.1 | 26.2 | ... | ... | 1 | 3 | 1 | 2 | 4 | ... | 2 | ... | 1 | 2 | 36.9 | 30.2 | 6.1 | 20.7 | 59.9 | ... | 13.4 | ... | 12.6 | 30.6 | ... | ... |
| Bhagulpore | Bhagulpore | ... | 7 | 4 | ... | ... | 9.2 | 12.1 | ... | ... | 2 | 1 | 1 | 1 | 1 | 1 | 1 | ... | 1 | 2 | 67.1 | 9.6 | 8.9 | 6.3 | 12.4 | 4.9 | 5.6 | ... | 12.2 | 28.9 | ... | ... |
| Monghyr | Monghyr | ... | 21 | 8 | ... | ... | 24.4 | 23.1 | ... | ... | 6 | 2 | 2 | ... | 2 | 7 | 3 | 1 | 3 | 2 | 280.1 | 10.7 | 14.7 | ... | 27.5 | 35.2 | 11.7 | 6.2 | 39.2 | 29.0 | ... | ... |
| Purneah | Purneah | ... | 2 | 1 | ... | ... | 11.3 | 9.2 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18.6 | ... | 56.1 | ... | ... |
| Poori | Poori | ... | 21 | ... | ... | ... | 44.5 | ... | ... | ... | 1 | 3 | 1 | ... | 1 | 2 | 4 | 1 | 3 | 5 | 171.6 | 86.8 | 23.2 | ... | 28.0 | 19.7 | 61.3 | 15.6 | 69.9 | 144.0 | ... | ... |
| TOTAL | | ... | 342 | 107 | ... | ... | 23.5 | 16.9 | ... | ... | 78 | 61 | 36 | 23 | 23 | 46 | 49 | 38 | 34 | 59 | 159.8 | 24.1 | 16.9 | 12.4 | 14.8 | 11.8 | 14.5 | 15.6 | 22.8 | 46.7 | ... | ... |

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPEN, 97½ MILES.

Statement showing Quantities of Goods carried during the month of June 1890.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---------------------------|------------------------------------|-------------------------------|------------------|------------------------|----------|------------------------|------------|----------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 191 | 1. Grain ... | 1,831 | 184 | 2,015 | 86,817 | 2,015 | 86,817 | |
| 1 | 2. Cotton ... | ..... | ..... | ..... | 80 | ..... | 80 | |
| ... | 3. Oilseeds ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 37 | 4. Salt ... | 214 | 262 | 476 | 50,425 | 476 | 50,425 | |
| 4 | 5. Piece-goods ... | ..... | 14 | 14 | 19,300 | 14 | 19,300 | |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 18 | 7. Building materials ... | 2 | 89 | 91 | 464 | 20 | 282 | |
| 525 | 8. Miscellaneous ... | 121 | 322 | 443 | 47,387 | 442 | 47,252 | |
| 13 | 9. Fuel ... | ..... | 44 | 44 | 385 | 44 | 385 | |
| 5 rafts | 10. Timber ... | 147 c. ft. | 42 c. ft. | 189 c. ft. | 164 | 189 c. ft. | 164 | |
| 4 " | 11. Bamboos ... | 100 " | 300 " | 400 " | 39 | 400 " | 39 | |
| 789 & 9 rafts | 12. Total ... | { 2,168 & 247 c. ft. | { 915 342 c. ft. | { 3,083 & 589 c. ft. } | 2,05,071 | { 3,011 & 589 c. ft. | { 2,04,754 | |
| 646 & 1 raft. | 13. Total of same month last year. | { 1,477 c. ft. } | { 797 & 125 } | { 2,274 & 125 c. ft. } | 1,73,141 | { 1,249 & 125 c. ft. } | { 1,72,104 | |

| | Up. | Down. | Total. | | Rs. A. P. |
|---|------------|------------|-----------|--|------------|
| 14. Total number of boats plying cargo No. | 390 | 399 | 789 | Total tollage of month—24+25+26 ... | 5,678 13 0 |
| 15. Total number of boats plying passenger No. | 70 | 52 | 122 | Total tollage of same month last year ... | 4,962 13 0 |
| 16. Total registered tonnage, cargo Tons | 4,507 | 3,559 | 8,066 | <i>Memorandum of Tollage.</i> | |
| 17. Total registered tonnage, passenger Tons | 957 | 536 | 1,493 | | |
| 18. Ton-milage ... | 174,884 | 149,330 | 324,214 | | |
| 19. Estimated value of cargo Rs. | 1,02,767 | 1,02,101 | 2,04,868 | | |
| 20. Number of passengers No. | 4,266 | 2,422 | 6,688 | | |
| 21. Rafts, bamboos C. ft. | 100 | 300 | 400 | 1. Balance not recovered on the 1st of the month ... | 6,395 10 9 |
| 22. Do., bullahs " | 147 | 42 | 189 | 2. Tollage per month ... | 5,678 13 0 |
| 23. Estimated value of rafts Rs. | 157 | 46 | 203 | 3. Total ... | 12,074 7 9 |
| 24. Tollage on boats " | 3,069-12-6 | 2,605-10-6 | 5,675-7-0 | 4. Amount paid into treasury during the month ... | 7,201 7 9 |
| 25. Compounded tollage on boats Rs. | 1-8-0 | ..... | 1-8-0 | 5. Balance due at the end of the month ... | 4,873 0 0 |
| 26. Tollage on rafts " | 0-12-0 | 1-2-0 | 1-14-0 | | |
| 27. Total tollage on boats per ton-mile Rs. | ..... | ..... | 0-0-3-3 | | |
| 28. Total tollage on rafts per 100 cubic feet Rs. | ..... | ..... | 0-5-1 | | |

Abstract for the month of June 1890 as compared with the corresponding month of the previous year.

| | | 1890-91. | | 1889-90. | |
|---------|-----|-------------------|----------------------|-------------------|----------------------|
| | | During the month. | To end of the month. | During the month. | To end of the month. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Tollage | ... | 5,678 13 0 | 17,496 0 0 | 4,962 13 0 | 15,361 14 9 |

CALCUTTA,
The 5th August 1890.G. A. G. SHAW,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of June 1890.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|--|---------------------------------------|-------------------------------|------------------|----------------------------|--|----------------------------|-----------|-----------------------------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| 211 | 1. Grain ... | 3,464 | 9 | 3,473 | 3,29,136 | 8,473 | 3,29,136 | For details, see next page. |
| 7 | 2. Cotton ... | 48 | ..... | 48 | 24,300 | 48 | 24,300 | |
| 118 | 3. Oilseeds ... | 1,902 | 14 | 1,916 | 2,59,962 | 1,916 | 2,59,962 | |
| 201 | 4. Salt ... | 460 | 2,936 | 3,396 | 3,32,783 | 3,396 | 3,32,783 | |
| ..... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 4 | 6. Metal ... | 16 | 16 | 32 | 4,280 | 32 | 4,280 | |
| 99 | 7. Building materials ... | 3,907 | 40 | 3,947 | 63,074 | 3,947 | 63,074 | |
| 1,559 | 8. Miscellaneous* ... | 5,706 | 337 | 6,043 | 7,44,663 | 6,043 | 7,44,663 | |
| 285 | 9. Fuel ... | 6,571 | 329 | 6,900 | 52,224 | 6,900 | 52,224 | |
| ..... | 10. Timber ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| ..... | 11. Bamboos ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 2,484 | 12. Total ... | 22,074 | 3,681 | 25,755 | 18,10,422 | 25,755 | 18,10,422 | For details, see next page. |
| 2,405 & 2 rafts. | 13. Total of same month last year. | { 28,884 & 600 c. ft. | { 6,385 | { 35,269 & 600 c. ft. } | 28,71,279 | { 35,269 & 600 c. ft. } | 28,71,279 | |
| | | Up. | Down. | Total. | | | | |
| 14. Total number of boats plying cargo No. | | 2,259 | 225 | 2,484 | Total tollage of month— 24 + 25 + 26 ... | | | Rs. A. |
| 14n. Empty ... | | 1,236 | 300 | 1,536 | | | | 17,797 1 |
| 15. Total number of boats plying passenger No. | | 472 | 1 | 473 | Total tollage of same month last year ... | | | 22,706 6 |
| 16. Total registered tonnage, cargo Tons | | 76,420 | 9,763 | 86,183 | | | | |
| 17. Total registered tonnage, passenger Tons | | 871 | 4 | 875 | Memorandum of Tollage. | | | |
| 18. Ton-mileage ... | | 6,19,880 | 97,630 | 7,17,510 | | | | Rs. A. |
| 19. Estimated value of cargo Rs. | | 14,70,729 | 3,39,693 | 18,10,422 | 1. Balance not recovered on the 1st of the month ... | | | 891 14 |
| 20. Number of passengers No. | | 2,064 | 22 | 2,086 | | | | |
| 21. Rafts, bamboos C. ft. |  | ..... | ..... | ..... | 2. Tollage per month ... | | | 17,797 1 |
| 22. Do., bullahs „ |  | ..... | ..... | ..... |  |  |  |  |
| 23. Estimated value of rafts Rs. |  | ..... | ..... | ..... | 3. Total ... | | | 18,689 0 |
| 24. Tollage on boats „ | | 15,403-13-0 | 2,393-4-6 | 17,797-1-6 | | | | |
| 25. Compounded tollage on boats Rs. |  | ..... | ..... | ..... | 4. Amount paid into treasury during the month ... | | | 17,777 3 |
| 26. Tollage on rafts „ |  | ..... | ..... | ..... |  |  |  |  |
| 27. Total tollage on boats per ton-mile Rs. |  | ..... | ..... | C-0-4-76 | 5. Balance due at the end of the month ... | | | 911 13 |
| 28. Total tollage on rafts per 100 cubic feet Rs. |  | ..... | ..... | ..... |  |  |  |  |

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
CALCUTTA AND EASTERN CANALS.

| Number of boats or rafts. | Description. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|---------------------------------|----------------------------------|-------------------------------|-------|--------|----------|-----------|----------|----------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupces. | Tons. | Rupces. | |
| 51 | (a) Jute ... | 940 | ..... | 940 | 1,05,300 | 940 | 1,05,300 | |
| 56 | (b) Jaggery ... | 572 | ..... | 572 | 48,075 | 572 | 48,075 | |
| 6 | (c) Sugar ... | 41 | ..... | 41 | 8,050 | 41 | 8,050 | |
| 2 | (d) Tobacco ... | ..... | 12 | 12 | 2,800 | 12 | 2,800 | |
| 468 | (e) Fish ... | 73 | 1 | 74 | 20,623 | 74 | 20,623 | |
| 6 | (f) Hides ... | 3 | ..... | 3 | 590 | 3 | 590 | |
| 54 | (g) Poultry ... | 12 | ..... | 12 | 10,206 | 12 | 10,206 | |
| 83 | (h) Hay and straw ... | 535 | ..... | 535 | 11,538 | 535 | 11,538 | |
| 21 | (j) Oil ... | 5 | 231 | 236 | 33,075 | 236 | 33,075 | |
| 31 | (k) Earthenware ... | 62 | ..... | 62 | 861 | 62 | 861 | |
| 781 | (m) Other miscella- neous ... | 3,463 | 93 | 3,556 | 5,03,545 | 3,556 | 5,03,545 | |
| 1,559 | Total Miscellaneous... | 5,706 | 337 | 6,043 | 7,44,663 | 6,043 | 7,44,663 | |

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the month of June 1890.

| Number of boats or rafts. | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|--|--|-------------------------------|-------------------------|------------------------------|--|------------------------------|--------------|-----------------------------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons | Rupees. | |
| 735 | 1. Grain ... | 3,874 | 10 | 3,884 | 3,28,402 | 3,884 | 3,28,402 | For details, see next page. |
| 2 | 2. Cotton ... | 15 | ..... | 15 | 7,380 | 15 | 7,380 | |
| 29 | 3. Oilseeds ... | 378 | ..... | 378 | 54,850 | 378 | 54,850 | |
| 69 | 4. Salt ... | 452 | 465 | 917 | 89,862 | 917 | 89,862 | |
| ... | 5. Piece-goods ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| ... | 6. Metal ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 468 | 7. Building materials ... | 5,389 | 8 | 5,397 | 20,423 | 5,397 | 20,423 | |
| 710 | 8. Miscellaneous* ... | 2,695 | 16 | 2,711 | 2,60,883 | 2,711 | 2,60,883 | |
| 124 | 9. Fuel ... | 1,793 | ..... | 1,793 | 14,493 | 1,793 | 14,493 | |
| 1 raft. | 10. Timber ... | ..... | 120 c. ft. | 120 c. ft. | 300 | 120 c. ft. | 300 | |
| 7 rafts. | 11. Bamboos ... | 393 c. ft. | ..... | 393 „ | 65 | 393 „ | 65 | |
| 2,137 & 8 rafts. | 12. Total ... | { 14,596 & 393 c. ft. | { 499 & 120 c. ft. | { 15,095 & 513 c. ft. } | { 7,76,658 } | { 15,095 & 513 c. ft. } | { 7,76,658 } | |
| 1,848 & 3 rafts. | 13. Total of same month last year ... | { 11,356 & 200 c. ft. | { 386 & 1,101 c. ft. | { 11,742 & 1,301 c. ft. } | { 8,42,315 } | { 11,742 & 1,301 c. ft. } | { 8,42,315 } | |
| | | Up. | Down. | Total. | | | Rs. A. | |
| 14. Total number of boats plying cargo ... No. | | 2,088 | 49 | 2,137 | Total tollage of month— 24 + 25 + 26 ... | | 6,573 15 | |
| 14a. Empty „ | | 600 | 70 | 670 | Total tollage of same month last year ... | | 5,764 5 | |
| 15. Total number of boats plying passenger ... No. | | 284 | 6 | 290 | Memorandum of Tollage. | | | |
| 16. Total registered tonnage, cargo ... Tons | | 44,419 | 1,604 | 46,023 | | | | |
| 17. Total registered tonnage, passenger ... Tons | | 683 | 25 | 708 | | | | |
| 18. Ton-mileage ... | | 3,29,202 | 25,664 | 3,54,866 | 1. Balance not recovered on the 1st of the month ... | | 214 12 | |
| 19. Estimated value of cargo Rs. | | 7,28,166 | 48,127 | 7,76,293 | 2. Tollage per month ... | | 6,573 15 | |
| 20. Number of passengers No. | | 1,768 | 78 | 1,846 | 3. Total ... | | 6,788 11 | |
| 21. Rafts, bamboos C. ft. | | 393 | ..... | 393 | | | | |
| 22. Do., bullahs „ |  | ..... | 120 | 120 | | | | |
| 23. Estimated value of rafts Rs. | | 65 | 306 | 365 | | | | |
| 24. Tollage on boats „ | | 6,171-2-3 | 399-5-6 | 6,570-7-9 | | | | |
| 25. Compounded tollage on boats ... Rs. |  | ..... | ..... | ..... | 4. Amount paid into treasury during the month ... | | 6,502 6 | |
| 26. Tollage on rafts „ | | 2-9-6 | 0-14-0 | 3-7-6 | | | | |
| 27. Total tollage on boats per ton-mile ... Rs. |  | ..... | ..... | 0-0-3-55 | 5. Balance due at the end of the month ... | | 286 5 | |
| 28. Total tollage on rafts per 100 cubic feet ... Rs. |  | ..... | ..... | 0-10-9 | | | | |

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
TOLLY'S NULLAH.

| No. of OF | DESCRIPTION. | TOTAL GOVERNMENT AND PRIVATE. | | | | PRIVATE. | | REMARKS. |
|--------------|-------------------------------|-------------------------------|-------|--------|----------|-----------|----------|----------|
| | | Quantity—Tons. | | | Value. | Quantity. | Value. | |
| | | Up. | Down. | Total. | Rupees. | Tons. | Rupees. | |
| | (a) Jute ... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| 3 | (b) Jaggery ... | 533 | 3 | 536 | 45,075 | 536 | 45,075 | |
| 2 | (c) Sugar ... | 9 | ..... | 9 | 1,750 | 9 | 1,750 | |
| 3 | (d) Tobacco ... | 121 | ..... | 121 | 27,200 | 121 | 27,200 | |
| 4 | (e) Fish ... | 14 | ..... | 14 | 3,965 | 14 | 3,965 | |
| 1 | (f) Hides ... | 1 | ..... | 1 | 50 | 1 | 50 | |
| 1 | (g) Poultry ... | 1 | ..... | 1 | 50 | 1 | 50 | |
| 3 | (h) Hay and straw... | 341 | ..... | 341 | 7,465 | 341 | 7,465 | |
| 1 | (j) Oil ... | 281 | 11 | 292 | 40,950 | 292 | 40,950 | |
| 4 | (k) Earthenware ... | 170 | ..... | 170 | 2,376 | 170 | 2,376 | |
| 4 | (m) Other miscellane- ous. | 1,224 | 2 | 1,226 | 1,32,002 | 1,226 | 1,32,002 | |
| 6 | Total Miscellaneous... | 2,695 | 16 | 2,711 | 2,60,883 | 2,711 | 2,60,883 | |

ABSTRACT FOR THE MONTH OF JUNE 1890, AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

| | TRAFFIC, 1889-91. | | | TRAFFIC, 1889-90. | | |
|---------------------------------|-------------------|-------|----------------------|-------------------|-------------|----------------------|
| | During the month. | | To end of the month. | During the month. | | To end of the month. |
| | Rs. | A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Calcutta and Eastern Canals ... | 17,797 | 1 6 | 51,918 0 9 | 22,706 6 0 | 59,122 7 6 | |
| Tolly's Nullah ... | 6,573 | 15 3 | 23,687 7 9 | 5,764 5 8 | 19,540 10 9 | |
| Total ... | 24,371 | 0 9 | 75,605 8 6 | 28,470 11 3 | 78,663 2 3 | |

CALCUTTA,
The 5th August 1890.G. A. G. SHAW, *Under-Secretary to the Govt. of Bengal.*

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 2nd August 1890,
as compared with the corresponding week of the previous year.*

| NATURE OF CARGO. | WEEK ENDING SATURDAY, THE 2ND AUGUST 1890. | | | WEEK ENDING SATURDAY, THE 2ND AUGUST 1889. | | |
|------------------|---|---------------------|----------|---|---------------------|----------|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy | 307 | 59,530 | 848 | 311 | 60,920 | 939 |
| Jute | 11 | 3,700 | 72 | 18 | 8,750 | 156 |
| Firewood | 94 | 45,625 | 685 | 180 | 76,325 | 1,228 |
| Other articles | 670 | 1,88,630 | 2,337 | 911 | 1,65,200 | 2,340 |
| Total | 1,082 | 2,97,485 | 3,943 | 1,390 | 3,14,195 | 4,663 |

Eastern Bengal State Railway.

*Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of
May 1890, as compared with the same month of the previous year.*

| STAPLES. | 1890. | | 1889. | | TOTAL. | | Increase. | Decrease. |
|--|----------------|----------------|-----------------|----------------|-----------------|-----------------|----------------|----------------|
| | Up. | Down. | Up. | Down. | 1890. | 1889. | | |
| Coal | Tons. 7,989 | Tons. 2,355 | Tons. 12,004 | Tons. 2,067 | Tons. 10,254 | Tons. 14,071 | Tons. | Tons. 3,817 |
| Cotton, raw | ..... | 201 | 6 | 323 | 201 | 323 | ..... | 122 |
| Cotton twist and yarn— | | | | | | | | |
| 1.—European | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Indian | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cotton piece-goods— | | | | | | | | |
| 1.—European— | | | | | | | | |
| a.—In bales and bundles | 3,546 | 65 | 2,925 | 180 | 3,632 | 3,065 | ..... | 567 |
| b.—In boxes | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Indian— | | | | | | | | |
| a.—In bales and bundles | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| b.—In boxes | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grains— | | | | | | | | |
| 2.—Rice | 2,251 | 4,554 | 1,885 | 6,680 | 7,135 | 8,565 | ..... | 1,430 |
| 3.—Others | 1,715 | 2,595 | 1,032 | 10,544 | 10,510 | 11,876 | ..... | 1,366 |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | | | | | | | | |
| a.—Dressed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| b.—Undressed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Skins of sheep, &c.— | ..... | 300 | 4 | 543 | 300 | 547 | ..... | 247 |
| a.—Dressed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| b.—Undressed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Jute— | | | | | | | | |
| 1.—Raw— | | | | | | | | |
| a.—Screwed | ..... | 805 | ..... | 1,542 | 805 | 1,543 | ..... | 738 |
| b.—Unscrewed | 4 | 5,441 | ..... | 2,198 | 5,445 | 2,394 | 3,057 | ..... |
| 2.—Gunny-bags and cloth | 180 | 1,480 | 300 | 1,197 | 1,459 | 1,567 | 73 | ..... |
| Metals— | | | | | | | | |
| 1.—Copper, unwrought | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Brass, unwrought | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 3.—Brass and copper, wrought | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 4.—Iron | 361 | 65 | 980 | 201 | 367 | 1,183 | ..... | 816 |
| 5.—Tin | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 6.—Others | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Oils— | | | | | | | | |
| 2.—Kerosine | 545 | 8 | 540 | 61 | 586 | 601 | ..... | 15 |
| 3.—Others | 416 | 11 | 257 | 26 | 427 | 233 | 194 | ..... |
| Oil-seeds— | | | | | | | | |
| 1.—Linseed | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Rape and mustard | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 3.—Til or gingelly | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 4.—Niger | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 5.—Castor | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 6.—Poppy | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 7.—Others | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Provisions— | | | | | | | | |
| 2.—Betel-nuts | 68 | 846 | 147 | 130 | 899 | 277 | 622 | ..... |
| 3.—Others | 444 | 385 | 714 | 670 | 879 | 1,384 | ..... | 505 |
| Railway plant and rolling-stock | ..... | ..... | 7,815 | 6,714 | 12,574 | 12,529 | ..... | 45 |
| Salt | 5,623 | 32 | 7,023 | 23 | 5,655 | 7,044 | ..... | 1,389 |
| Sugar— | | | | | | | | |
| 1.—Strained | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Undrained | 654 | 545 | 530 | 2,108 | 1,279 | 2,650 | ..... | 1,371 |
| Tea— | | | | | | | | |
| 1.—Foreign | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Indian | ..... | 671 | ..... | 302 | 671 | 302 | ..... | 369 |
| Wood— | | | | | | | | |
| 1.—Timber | 72 | 40 | 70 | 280 | 121 | 378 | ..... | 257 |
| 2.—Firewood | 1,237 | ..... | 1,540 | ..... | 1,027 | 1,540 | ..... | 513 |
| Tobacco | 21 | 1,911 | 94 | 3,283 | 1,023 | 3,377 | ..... | 2,354 |
| All other articles of merchandise— | | | | | | | | |
| 1.—Unmanufactured | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Manufactured | 3,355 | 3,025 | 3,610 | 2,561 | 6,965 | 5,586 | 1,379 | ..... |
| Hay, straw, and wool (C. & S. Section) | 425 | ..... | 781 | ..... | 425 | 781 | ..... | 356 |
| Total | 24,476 | 24,274 | 44,197 | 50,845 | 79,134 | 94,723 | 15,589 | 15,589 |

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of May 1890.

INCREASES.

| | |
|--|-------|
| Jute, unscrewed | Tons. |
| 3,057 | |
| Serajganj, Goalundo, and the Northern Section contributed this increase. | |
| Betel-nuts | 621 |
| Principally in receipts from Bengal Central Flotilla stations and in upwards booking from Armenian Ghât. | |
| There were also transactions between Northern Bengal State Railway stations and from Narayanganj. | |

DECREASES.

| | |
|--|-------|
| Coal | 4,807 |
| Sufficiency of stock for railway and flotilla consumption. | |
| Cotton piece-goods | 468 |
| Ordinary trade fluctuations. | |
| Rice | 1,480 |
| The decrease is from the Northern Section principally, and is said to be due to the dullness of the market. | |
| Jute, screwed | 787 |
| The decrease was from Narayanganj principally. | |
| Metals | 315 |
| Ordinary fluctuations. | |
| Oil-seeds | 3,262 |
| Due to dullness of the market and in some degree to lessened production. | |
| Salt | 1,989 |
| The decrease in this traffic cannot be accounted for. | |
| Sugar | 2,851 |
| Due principally to the short receipts from Bengal Central Railway short crops and no demand in Calcutta for this class of sugar. | |
| Tobacco | 1,445 |
| Due to decreased despatches from the Northern Section, said to be due to an unfavourable market. | |

CALCUTTA, the 29th July 1890.

F. P. QUINLAN,
Examiner of Accounts.

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of June 1890, as compared with the same month of the previous year.

| STAPLES. | 1889. | | 1890. | | Total. | | Increase. | Decrease. |
|--|-------|-------|-------|-------|--------|-------|-----------|-----------|
| | Up. | Down. | Up. | Down. | 1889. | 1890. | | |
| | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. | Tons. |
| Coal | 408 | ... | 384 | ... | 408 | 384 | 20 | ... |
| Cotton raw | 8 | ... | 13 | ... | 8 | 13 | 7 | ... |
| Cotton piece-goods— | | | | | | | | |
| 1.—European | 45 | 1 | 33 | ... | 46 | 33 | ... | 14 |
| Grains— | | | | | | | | |
| 1.—Rice | 1 | 3 | 25 | ... | 24 | 26 | 71 | ... |
| 2.—Gram | ... | 11 | ... | ... | 11 | ... | ... | 11 |
| 3.—Others | 5 | 13 | 45 | ... | 18 | 45 | 27 | ... |
| Hides and skins— | | | | | | | | |
| 1.—Hides of cattle— | | | | | | | | |
| a.—Dressed | ... | 7 | ... | 3 | 7 | 3 | ... | 4 |
| Jute— | | | | | | | | |
| 1.—Raw | ... | 5 | ... | 177 | 5 | 177 | 172 | ... |
| 2.—Gunny-bags and cloths | 10 | 1 | 1 | ... | 11 | 1 | ... | 10 |
| Leo— | | | | | | | | |
| 1.—Stick | 1 | ... | 1 | ... | 1 | 1 | ... | ... |
| Liquors— | | | | | | | | |
| 1.—Beer | ... | ... | 3 | ... | ... | 3 | ... | ... |
| 2.—Wines | 1 | ... | 1 | ... | 1 | 1 | ... | ... |
| Metals— | | | | | | | | |
| 2.—Iron | 8 | ... | 25 | ... | 8 | 25 | 17 | ... |
| 4.—Others | 14 | ... | 9 | 4 | 14 | 13 | ... | 1 |
| Oils— | | | | | | | | |
| 1.—Castor | 1 | ... | 1 | ... | 1 | 1 | ... | ... |
| 2.—Kerosine | 3 | ... | 2 | ... | 3 | 2 | ... | ... |
| 3.—Others | 7 | ... | 10 | ... | 7 | 10 | 3 | ... |
| Oilseeds— | | | | | | | | |
| 1.—Linseed | ... | 254 | ... | 47 | 254 | 47 | ... | 207 |
| 2.—Mustard and rape | 105 | ... | 47 | ... | 105 | 47 | ... | 38 |
| Provisions— | | | | | | | | |
| 1.—Ghee | ... | ... | 1 | ... | ... | 1 | 1 | ... |
| 2.—Dried fruits and nuts | 2 | 3 | ... | ... | ... | ... | ... | ... |
| 3.—Others | 23 | 20 | 1 | 65 | 43 | 65 | 23 | ... |
| Paper and pasteboard | 4 | ... | ... | ... | 4 | ... | ... | ... |
| Railway plant and rolling-stock | 51 | 13 | 53 | 37 | 43 | 89 | 46 | ... |
| Salt | 132 | ... | 116 | ... | 132 | 116 | ... | 16 |
| Silk, raw— | | | | | | | | |
| 1.—Indian | ... | 16 | 8 | 17 | 16 | 20 | 4 | ... |
| Silk piece-goods— | | | | | | | | |
| 1.—Indian | ... | 2 | ... | 1 | 2 | 1 | ... | 1 |
| Stone and lime | 21 | ... | 20 | ... | 21 | 20 | ... | 1 |
| Sugar— | | | | | | | | |
| 1.—Drained | 40 | ... | 63 | ... | 40 | 63 | 19 | ... |
| 2.—Undrained | ... | ... | ... | ... | ... | ... | ... | ... |
| Tobacco | 6 | ... | 17 | ... | 6 | 17 | 11 | ... |
| Timber | 1 | ... | 5 | ... | 1 | 5 | 4 | ... |
| All other articles of merchandise | 123 | 18 | 229 | 37 | 140 | 266 | 116 | ... |
| Total | 1,114 | 305 | 1,431 | 378 | 1,480 | 1,809 | 601 | 323 |

| INCREASE. | | | | | | | Tons. |
|---|-----|-----|-----|-----|-----|-----|-------|
| Coal | ... | ... | ... | ... | ... | ... | 90 |
| This increase is due to greater import for storage. | | | | | | | |
| Grains— | | | | | | | |
| (2) Rice | ... | ... | ... | ... | ... | ... | 71 |
| This is due to greater export from intermediate stations. | | | | | | | |
| (4) Others | ... | ... | ... | ... | ... | ... | 27 |
| Due to import of paddy for greater demand. | | | | | | | |
| Jute— | | | | | | | |
| (1) Raw | ... | ... | ... | ... | ... | ... | 172 |
| This is chiefly due to despatches of Mr. Yates pressed jute by rail this year. | | | | | | | |
| Metals— | | | | | | | |
| (2) Iron | ... | ... | ... | ... | ... | ... | 17 |
| Chiefly due to despatches of old rails of East Indian Railway brought by public from Nalhati to Azimganj. | | | | | | | |
| Provisions— | | | | | | | |
| (3) Others | ... | ... | ... | ... | ... | ... | 23 |
| This is due to export of fresh fruits, chiefly mangoes, from Azimganj station this year. | | | | | | | |
| Railway plant and rolling-stock | ... | ... | ... | ... | ... | ... | 46 |
| Due to greater despatches of railway materials. | | | | | | | |
| Sugar— | | | | | | | |
| (1) Drained | ... | ... | ... | ... | ... | ... | 18 |
| Due to greater demand. | | | | | | | |
| (2) Undrained | ... | ... | ... | ... | ... | ... | 54 |
| Due to greater demand. | | | | | | | |
| DECREASE. | | | | | | | |
| Cotton piece-goods— | | | | | | | |
| (1) European | ... | ... | ... | ... | ... | ... | 14 |
| Chiefly in despatches from Calcutta by steamer. | | | | | | | |
| Grains— | | | | | | | |
| (3) Gram | ... | ... | ... | ... | ... | ... | 11 |
| This traffic is carried by steamer this year. | | | | | | | |
| Jute— | | | | | | | |
| (2) Gunny-bags and cloths | ... | ... | ... | ... | ... | ... | 10 |
| Due to the dull traffic in grains. | | | | | | | |
| Oil-seeds— | | | | | | | |
| (1) Linseed | ... | ... | ... | ... | ... | ... | 207 |
| The falling off is due to this traffic being carried by steamer. | | | | | | | |
| (2) Mustard and rape | ... | ... | ... | ... | ... | ... | 58 |
| Due to less import owing to the dull market at Azimganj neighbouring marts. | | | | | | | |
| Salt | ... | ... | ... | ... | ... | ... | 16 |
| Carried by boat. | | | | | | | |

R. G. MOOKERJEE,
Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 26th July 1890, on 1,525½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|---------------|----------------------------------|----------------|-----------------------------|-----------------|--------------------------|--------------|----------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 247,947 | 2,27,928 0 0 | 17,46,033 10 | 2,80,822 8 0 | 15,237 8 0 | 6,42,979 0 0 | 65,316½ | 74,000½ | 140,374½ |
| Or per mile of railway ... | ... | 155 15 6 | ... | 259 9 2 | 11 18 2 | 421 7 10 | ... | ... | ... |
| For previous 3 weeks of half-year ... | 641,430 | 6,31,828 13 0 | 53,63,677 10 | 11,75,945 12 0 | 51,124 10 0 | 19,68,899 4 0 | 177,000½ | 220,926½ | 394,000 |
| Total for 4 weeks ... | 889,367 | 8,60,756 13 0 | 71,29,710 20 | 15,02,769 5 0 | 66,352 2 0 | 25,01,878 14 0 | 243,292½ | 294,955½ | 538,107½ |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 223,950 | 2,32,023 2 3 | 22,41,713 0 | 4,73,392 15 8 | 19,753 15 8 | 7,25,214 2 3 | 64,322 | 65,638 | 140,945 |
| Per mile of railway corresponding week of previous year ... | ... | 152 2 0 | ... | 310 5 1 | 12 15 8 | 475 6 4 | ... | ... | ... |
| Total to corresponding date of previous year ... | 1,012,856½ | 9,74,831 4 11 | 91,65,240 30 | 19,32,206 5 0 | 69,797 2 3 | 29,76,446 12 2 | 258,000 | 361,417 | 619,516 |

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1888.

| RECEIPTS FOR WEEK ENDING 27TH JULY 1890. | | | RECEIPTS FOR WEEK ENDING 20TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 27TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 16TH JULY 1890. | | | Total (Increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|--------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 1,525½ | 7,25,214 | 475 | 1,525½ | 6,42,979 | 421 | 1,525½ | 1,50,03,197 | 579 | 1,525½ | 1,25,40,929 | 536 | ... | 12,02,908 |

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 26th July 1890, on 57½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|--|-----------------------|------------|----------------------------------|------------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 10,074 | 5,507 11 0 | 30,092 30 | 2,539 10 0 | 45 8 0 | 8,093 13 0 | 1,020 | 567 | 1,586 |
| Or per mile of railway | 192 | 96 4 7 | 603 10 | 44 6 5 | 0 12 9 | 141 7 0 | ..... | ..... | ..... |
| For previous 3 weeks of half-year | 23,259 | 13,624 8 0 | 1,19,453 30 | 6,957 14 0 | 107 8 0 | 20,789 14 0 | 2,713 | 1,759 | 4,472 |
| Total for 4 weeks | 30,115 | 19,332 3 0 | 1,53,000 10 | 9,397 8 0 | 153 0 0 | 28,882 11 0 | 3,732 | 2,326 | 6,058 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year | 14,664 | 6,079 6 7 | 40,453 20 | 3,024 9 0 | 40 14 6 | 10,053 14 1 | 934 | 643 | 1,596 |
| Or per mile of railway corresponding week of previous year | 286 | 123 0 3 | 809 30 | 58 14 0 | 0 14 0 | 175 12 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 44,889 | 22,679 8 7 | 2,16,302 30 | 11,005 4 0 | 103 0 3 | 33,746 12 10 | 3,622 | 2,761 | 6,383 |

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR WEEK ENDING 27TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 26TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 27TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 26TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|------------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| 57½ | Rs. 10,054 | Rs. 176 | 57½ | Rs. 8,093 | Rs. 141 | 57½ | Rs. 1,47,743 | Rs. 153 | 57½ | Rs. 1,00,400 | Rs. 161 | Rs. 8,753 | ..... |

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 26th July 1890, on 22½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|--|-----------------------|------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 17,357 | 4,253 3 0 | 4,162 30 | 161 3 0 | 8 0 0 | 4,412 3 0 | 910 | 40 | 950 |
| Or per mile of railway | ..... | 191 2 8 | ..... | 6 12 8 | 0 5 9 | 198 4 11 | ..... | ..... | ..... |
| For previous 3 weeks of half-year | 54,820 | 13,310 0 0 | 22,294 30 | 437 13 0 | 21 2 0 | 13,768 14 0 | 2,458 | 160 | 2,618 |
| Total for 4 weeks | 72,086 | 17,563 3 0 | 16,457 20 | 588 13 0 | 20 2 0 | 18,181 4 0 | 3,377 | 200 | 3,576 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year | 15,712½ | 3,798 12 8 | 3,115 30 | 114 14 0 | —0 8 0 | 3,913 2 8 | 930 | 20 | 950 |
| Or per mile of railway corresponding week of previous year | ..... | 170 11 9 | ..... | 5 2 7 | —0 0 4 | 175 14 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year | 30,170 | 16,840 0 0 | 31,644 0 | 703 13 0 | 8 15 6 | 19,551 11 6 | 3,684 | 144 | 3,828 |

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

| RECEIPTS FOR WEEK ENDING 27TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 26TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 27TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 26TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| 22½ | Rs. 3,913 | Rs. 176 | 22½ | Rs. 4,412 | Rs. 198 | 22½ | Rs. 1,02,160 | Rs. 270 | 22½ | Rs. 1,03,500 | Rs. 274 | Rs. 1,320 | ..... |

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 19th July 1890, on 767 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated), including steam-boat. | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|--------------|---|-----------------|--------------------------|--------------|---------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week... | 127,575 | 50,970 0 0 | 5,14,680 0 | 1,06,170 0 0 | 14,900 0 0 | 1,83,040 0 0 | 22,800 | 28,211 | 51,011 |
| Or per mile of railway ... | 165 | 78 0 0 | 671 0 | 141 0 0 | *1 0 0 | 220 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... | 510,650 | 1,18,000 0 0 | 7,01,840 0 | 1,36,630 0 0 | 22,530 0 0 | 2,77,810 0 0 | 78,045 | 52,130 | 91,005 |
| Total for 2 weeks ... | 438,440 | 1,79,650 0 0 | 12,16,820 0 | 2,44,800 0 0 | 37,430 0 0 | 4,00,830 0 0 | 61,835 | 80,341 | 142,196 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 124,003 | 55,780 0 0 | 4,06,570 0 | 79,223 0 0 | 17,541 0 0 | 1,82,544 0 0 | 23,024 | 24,223 | 47,247 |
| Per mile of railway corresponding period of previous year ... | 167 | 75 0 0 | 544 0 | 106 0 0 | *2 0 0 | 183 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... | 439,676 | 1,76,798 0 0 | 12,42,575 0 | 2,16,008 0 0 | 40,797 0 0 | 4,53,596 0 0 | 66,592 | 67,945 | 134,537 |

* Excluding steamer earnings.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1890. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|------------------|---|-----------------|------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 747 | 1,52,544 | 204 | 767 | 1,63,040 | 210 | 687 | 22,09,038 | 234 | 760 | *27,62,868 | 237 | 1,91,530 | ... |

* Audited up to week ending 7th June 1890.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 125 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week... | 53,630 | 9,210 0 0 | 66,180 0 | 2,250 0 0 | 140 0 0 | 11,600 0 0 | 3,694 | 2,059 | 5,753 |
| Or per mile of railway ... | 305 | 74 0 0 | 530 0 | 18 0 0 | 1 0 0 | 93 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... | 56,222 | 18,290 0 0 | 80,420 0 | 3,530 0 0 | 260 0 0 | 22,030 0 0 | 6,211 | 3,523 | 9,734 |
| Total for 2 weeks ... | 61,912 | 27,500 0 0 | 1,06,700 0 | 5,780 0 0 | 400 0 0 | 33,680 0 0 | 9,815 | 5,587 | 15,402 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 12 days of previous year ... | 28,525 | 9,500 0 0 | 37,975 0 | 3,232 0 0 | [31 0 0 | 11,623 0 0 | 3,560 | 2,112 | 5,672 |
| Per mile of railway corresponding period of previous year ... | 212 | 77 0 0 | 306 0 | 16 0 0 | ... | 96 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... | 53,399 | 20,946 0 0 | 1,01,950 0 | 6,143 0 0 | 163 0 0 | 36,332 0 0 | 10,032 | 6,234 | 16,266 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1890. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 125 | 11,623 | 94 | 125 | 11,009 | 88 | 125 | 2,15,000 | 108 | 125 | *2,00,313 | 100 | ... | 16,756 |

* Audited up to week ending 7th June 1890.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 86 miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. c. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 9,410 | 4,310 0 0 | 8,360 0 | 960 0 0 | 110 0 0 | 5,380 0 0 | 2,414 | 690 | 3,104 |
| Or per mile of railway ... | 109 | 50 0 0 | 97 0 | 11 0 0 | 1 0 0 | 62 0 0 | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... | 37,350 | 8,330 0 0 | 21,760 0 | 2,160 0 0 | 150 0 0 | 10,670 0 0 | 4,175 | 1,183 | 5,358 |
| Total for 3 weeks ... | 36,700 | 12,640 0 0 | 30,140 0 | 3,150 0 0 | 260 0 0 | 16,080 0 0 | 4,650 | 1,872 | 6,522 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 12,639 | 4,011 0 0 | 6,631 0 | 635 0 0 | 37 0 0 | 4,683 0 0 | 2,456 | 925 | 3,381 |
| Per mile of railway corresponding period of previous year ... | 147 | 47 0 0 | 76 0 | 7 0 0 | ..... | 54 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 40,607 | 12,030 0 0 | 47,538 0 | 2,020 0 0 | 704 0 0 | 14,750 0 0 | 7,050 | 2,107 | 9,157 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 86 | 4,053 | 54 | 86 | 5,380 | 62 | 86 | 39,029 | 65 | 86 | 97,568 | 71 | 8,530 | ..... |

• Audited up to week ending 7th June 1890.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 19th July 1890, on 27½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|---|-----------------------|--------------------|----------------------------------|-----------|-----------------------------|-----------------|--------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. c. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,310 | 1,190 0 0 | 15,790 0 | 890 0 0 | 10 0 0 | 2,000 0 0 | 510 | 446 | 956 |
| Or per mile of railway ... | 118 | 44 0 0 | 579 0 | 32 0 0 | ..... | 76 0 0 | ..... | ..... | ..... |
| For previous 2 weeks of half-year ... | 6,070 | 2,100 0 0 | 23,480 0 | 1,500 0 0 | 20 0 0 | 3,620 0 0 | 1,000 | 775 | 1,775 |
| Total for 3 weeks ... | 9,280 | 3,290 0 0 | 44,250 0 | 2,390 0 0 | 30 0 0 | 5,650 0 0 | 1,510 | 1,210 | 2,720 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 2,446 | 968 0 0 | 7,613 0 | 490 0 0 | 11 0 0 | 1,469 0 0 | 536 | 393 | 929 |
| Per mile of railway corresponding period of previous year ... | 90 | 36 0 0 | 273 0 | 18 0 0 | ..... | 54 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 8,340 | 3,213 0 0 | 23,808 0 | 1,629 0 0 | 45 0 0 | 4,837 0 0 | 1,508 | 1,117 | 2,625 |

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1889. | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|-------------------------|-------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. |
| 27½ | 1,400 | 54 | 27½ | 2,090 | 76 | 27½ | 30,400 | 70 | 27½ | 31,315 | 72 | 947 | ..... |

• Audited up to week ending 31st May 1890.

TIRHOOT AND BENGAL AND NORTH-WESTERN RAILWAYS.

(TIRHOOT SECTION.)

Approximate Return of Traffic for the week ending 19th July 1890, on 315 miles open.

| | COACHING TRAFFIC. | | MERCHANTS AND MISCELLANEOUS TRAFFIC. | | Other earnings (estimated), including steam-boat. | Total earnings. | TRAFFIC TRAIN-MILES RUN | | |
|---|-----------------------|--------------------|--------------------------------------|------------|---|-----------------|-------------------------|--------------|--------|
| | Number of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| Total traffic for the period on 315 miles open ... | 36,611 | Rs. 18,049 | Mds. 1,42,581 | Rs. 12,170 | Rs. 2,270 | Rs. 28,489 | 4,027 | 6,472 | 11,500 |
| Or per mile of railway ... | 123 | 41 | 452 | 42 | 3 | 86 | ..... | ..... | ..... |
| For previous 1 week of half-year ... | 60,989 | 21,115 | 2,54,102 | 20,253 | 3,627 | 50,995 | 8,592 | 11,578 | 20,160 |
| Total for week ... | 10,570 | 34,164 | 3,96,683 | 39,423 | 6,897 | 70,484 | 13,440 | 18,050 | 31,490 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding period of previous year on 273 miles open ... | 36,364 | 11,915 | 2,23,550 | 18,837 | 3,391 | 38,048 | 4,731 | 5,848 | 10,577 |
| Per mile of railway corresponding week of previous year ... | 133 | 44 | 820 | 67 | 1 | 112 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... | 118,018 | 42,800 | 6,01,924 | 49,892 | 9,627 | 1,01,800 | 13,958 | 16,653 | 30,616 |

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot Section.

| RECEIPTS FOR WEEK ENDING 20TH JULY 1889 | | | RECEIPTS FOR WEEK ENDING 19TH JULY 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 20TH JULY 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 19TH JULY 1890. | | | Total increase or decrease 1889-91 | Total decrease or increase 1890-01. |
|---|-----------|------------------|--|-----------|------------------|---|-----------------|---------------------------|---|-----------------|---------------------------|------------------------------------|-------------------------------------|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. |
| 273 | 83,643 | 123 | 315 | 28,480 | 90 | 273 | 6,20,130 | 161 | 280 25 | 6,77,328 | 161 | 57,196 | ..... |

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | |
|---|-------------------|
| Approximate earnings for first 12 days of July 1890 | Rs. 15,923 |
| Corresponding period of 1889 | 13,156 |
| Increase | 2,767 |
| Receipts per mile for first 12 days of July 1890 | Rs. A. P. 312 3 5 |
| Corresponding period of 1889 | 267 15 4 |
| Increase | 54 4 1 |



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, AUGUST 13, 1890.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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REVISION OF APPENDIX A OF THE ACCOUNT RULES UNDER THE BENGAL MUNICIPAL ACT, 1884.

The following is published for general information.

By order of the Lieutenant-Governor of Bengal,

H. J. S. COTTON,

The 12th August 1890.

Secretary to the Govt. of Bengal.

MUNICIPAL DEPARTMENT—MUNICIPAL—No. M $\frac{2R}{18}$ S.

Dated Calcutta, the 4th August 1890.

From—H. J. S. Cotton, Esq., Secretary to the Government of Bengal,
To—All Commissioners of Divisions.

I AM directed to forward to you, for communication to all municipalities in your Division, a copy of a letter from the Accountant-General, Bengal, No. $\frac{LA}{152}$, dated 9th July 1890, together with its enclosure.

2. That enclosure is a revision of Appendix A to the Account Rules for municipalities issued under section 82 of the Act, and prescribes a revised procedure with suitable forms for adoption by municipalities in collecting taxes and rates. The revision of the Account Rules under section 82 is in progress, but it is not thought desirable to sanction any revised rules during the current

year. In the meantime, however, the revision in regard to procedure is complete, and the accompanying Appendix A, with the letter from the Accountant-General explaining the changes made, is now circulated for the information and guidance of municipalities. Wherever possible, the new procedure should be introduced at once, and it is the desire of Government that it should be everywhere adopted with effect from the 1st April 1891.

3. One important feature in the forms herewith prescribed is that the remission register, the tax collector's daily register, and the progress register, provide columns for the transactions of two years only. The Lieutenant-Governor entirely concurs with the Accountant-General that it is necessary to enforce greater punctuality in dealing with municipal taxation. In many municipalities the accounts are now four or five years in arrear without any excuse or justification. It commonly happens that the executive is in arrear with taxation, and that the outstandings cannot be clearly ascertained and proved from the registers, and the audit therefore for practical purposes breaks down, a certified list of outstandings being obtained and accepted as the basis of audit. This unsatisfactory state of things is due principally to laxity in management, but also in some measure to certain imperfections which experience has detected in the taxation accounts. The object of the revised forms and procedure is to remedy these defects.

4. In the Lieutenant-Governor's opinion not more than one complete year of arrears should ever be allowed. Taxes should always be collected or remitted with far greater promptitude than is now done. Municipalities which, like Ranchi and Kurseong, work in a business-like manner, never have more than two quarters' arrears, and very often not more than one; and if municipalities generally avail themselves of the means provided in sections 120 to 129 of the Act, there is no reason why taxation should ever be allowed to fall into arrear for a long period.

5. The revision of assessments in municipalities is also a very important duty which the Lieutenant-Governor desires to take this opportunity of impressing on Municipal Commissioners. In some municipalities this duty is properly discharged, but in too many it is entirely neglected. Mr. Atkinson rightly points out that the new rules and forms should be accompanied by a revision of assessments, and the Lieutenant-Governor trusts that the immediate attention of Municipal Commissioners may be turned to this question, so that the revised assessment and new forms may be introduced together without delay.

APPENDIX A.

Procedure to be adopted by Municipalities in Bengal for the collection of taxes upon occupiers of holdings, rates upon the annual value of holdings, latrine rates, lighting rates and water rates.

GENERAL OUTLINE OF THE TAXATION ACCOUNTS.

1. The municipality is divided into taxation circles, and these are sub-divided into mohallas, streets, roads, &c., according to convenience.

A complete and separate set of registers is maintained for each circle, and from the circle registers the results are compiled for the whole municipality.

Circle Accounts.—The Demand Registers show the demand to be made against each rate-payer. The totals are brought on to Abstracts. Subsequent remissions in respect of the next demand are entered in the Remission Registers, whence the details pass into the Demand Registers, and the totals into the Abstracts in correction of the demand previously shown therein. Additions to the demand are similarly treated through the Enhancement Registers.

Bills made out are registered and are satisfied by payment or remission in whole or in part, payments being posted into the Bill Registers from the sircar's daily collection accounts, and remissions from the Remission Registers.

Compilation of the municipal accounts.—The total municipal demand is compiled from the circle abstracts into an abstract for the whole municipality, and passes into the tax-darogah's daily register for the quarter concerned. There will be as many of these tax-darogah's daily registers in use as there are quarters in respect of which there are bills outstanding. See rule 47.

Against each quarter's demand are written up daily (a) the payments in respect of that demand taken from the several sircar's collection accounts; (b) the remissions from the Remission Registers; and (c) the outstandings.

Lastly, the daily registers are abstracted and a monthly progress statement is worked out for each sircar, so that the outstandings for each quarter can be checked and compared with the undelivered receipts in the hands of the collecting agency, and all arrears can be promptly dealt with either by enforcing payment or remitting the amounts.

N.B.—It will be observed that the Remission Registers, the sircar's daily registers, and the monthly progress statements provide for transactions relating to the current and previous year only. Except under very special and unusual circumstances, taxation should never be allowed to fall into arrears extending over more than one complete year, and municipalities which deal promptly with taxation seldom have more than two quarters' arrears or three at most.

Rules 51 to 56 below prescribe the procedure to be adopted by the Municipal Commissioners in watching the taxation accounts, in reporting upon arrears and in clearing the registers.

DIVISION OF THE MUNICIPAL AREA INTO CIRCLES.

2. The municipality shall be divided into collecting circles by a calculation based on the area of ground to be traversed and the number of bills to be delivered. Each circle shall be numbered, and to each circle shall be appointed a sircar. The collecting circles should be as compact as possible, and so arranged as to distribute the work of tax collecting evenly among the sircars. No collecting circle shall contain more houses than can be visited by one sircar during the working days of a month.

3. The circles having been determined, and the assessment list, or the valuation and rating list prescribed by section 112 of the Act having been published, the registers of the municipal rates and taxes shall be opened.

4. Whenever a municipality levies a house-rate upon owners, and also a rate or rates upon occupiers for water, latrines or lighting, a double set of registers shall be opened, i.e., one set for owners and the other for occupiers.

5. The procedure of opening and maintaining both of these sets of registers is alike. For the sake of brevity therefore the procedure as regards owner's house-rate only is described in the following rules. But the rules apply equally to the house tax and to rates leviable from occupiers.

6. Similarly, to avoid duplication the specimen forms annexed have been drawn out and headed as for owner's house-rate only, but with slight and obvious verbal modifications they are equally adapted to the house tax, and to the water, latrine, and lighting-rates which are leviable from occupiers, and the necessary additional columns must of course be introduced when more than one tax or rate is levied from occupiers.

7. The following is a list of the forms and registers which shall be kept :—

- Demand Registers by circles.
- Demand Abstracts by circles.
- Demand abstract for the whole municipality.
- Bill forms.
- Bill Registers by circles.
- Sircar's Collection Registers by circles.
- Tax-darogah's Daily Registers by quarters.
- Abstracts of Tax-darogah's Daily Registers, by quarters.
- Progress Statements by circles.
- Petition Register. [This may also, if convenient, be kept by circles.]
- Remission Registers by circles.
- Enhancement Registers by circles.

THE DEMAND REGISTERS.

The Demand Registers shall be in Form A.

FORM A.

CIRCLE No.

Demand Register of Rate on the Annual Value of Holdings levied under Act III (B.C.) of 1884.

| Number on rating list published under section 112 of serial No. in the enhancement register if subsequently added. | Description of holding. | Owner's name. | ORIGINAL RATE. | | | | SUBSEQUENT REVISIONS. | | | Reference to page and entry in the Register of Remissions, or in the Register of New and Improved Holdings. | Initials of the Vice-Chairman. | REMARKS. |
|--|-------------------------|---------------|--------------------------|-----------------------|--------------------------|-----------------------|-------------------------|--------------------------|-----------------------|---|--------------------------------|----------|
| | | | As per rating list. | | As per first demand. | | Date of revising order. | Future rate. | | | | |
| | | | Annual value of holding. | Quarterly instalment. | Annual value of holding. | Quarterly instalment. | | Annual value of holding. | Quarterly instalment. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | | | | | | | | | | | |

a separate volume shall be assigned to each collecting circle, and a sub-division of the volume to each mohulla, road or street as may be most convenient: a sufficient space being left below each sub-division for subsequent entries of new holdings.

N. B.—The same sub-divisions in the same order shall be followed in posting the Bill, the Remission and the Enhancement Registers.

9. Columns 1 to 5 shall be filled up from the rating list; and a space of 2½ or 3 inches shall be left between each name in order to provide room for posting revisions.

10. As petitions against the rating list come in [see rules 19 and 20 below], their numbers and date shall be noted in column 13, "Remarks," in order to keep the entries to be made in columns 6 and 7 open to the latest convenient date.

11. Columns 6 and 7 shall be filled up as follows:—

First.—In respect of those names against which there is no reference to petitions in column 13, by entering the same amounts as are shown in columns 4 and 5 respectively.

Secondly.—In respect of those names against which the receipt of a petition has been noted, by entering the amounts shown in the orders passed by the Commissioners of Appeal, or, if no orders have been passed in time, the amounts shown in columns 4 and 5 respectively.

12. Columns 6 and 7 shall be totalled by sub-divisions. The Vice-Chairman, the Secretary, or a Commissioner appointed for the purpose, shall then carefully compare the entries in columns 1 to 7 with the rating list, and with the orders of the Commissioners of Appeal, and shall sign his name below each sub-divisional total in token of having made this comparison. Each sub-divisional total shown in column 7 shall then be posted into the quarterly demand abstract of the circle in Form B, which shall be prepared on the opening pages of each Demand Register.

13. Columns 8 to 11 shall be filled up from columns 3, 25, and 26 of the Remission Register, or from columns 2, 8, and 9 of the Enhancement Register, as the case may be.

14. The Vice-Chairman shall take care that the Demand Registers are free from erasures, and no alteration shall be made in them except under the initials of the Vice-Chairman or other officer empowered to sign for him.

ABSTRACT OF DEMAND FOR EACH CIRCLE.

15. The abstract shall be prepared in the opening pages of each Demand Register. It shall be in Form B.

FORM B.

CIRCLE No.

Quarterly Abstract of the demand on account of Owner's House-rate during the currency of the Valuation published in the year.....

| | SUB-DIVISIONS OF THE CIRCLE. | | | | | TOTAL. | REMARKS. |
|--|------------------------------|--------|--|--|--|--------|----------|
| | No. 1. | No. 2. | | | | | |
| Demand for the [First] quarter of 18 | | | | | | | |
| Add new and improved holdings during the quarter (as per total of column 11 of Enhancement Register) ... | | | | | | | |
| Total | | | | | | | |
| Deduct remissions granted during the quarter (as per total of column 26 of Remission Register) ... | | | | | | | |
| Demand for the [Second] quarter of 18 | | | | | | | |
| (and so on) | | | | | | | |

16. The first entries shall be posted from the sub-divisional totals shown in column 7 of the Demand Register, and thereafter the entries shall be posted punctually every quarter from the Enhancement and Remission Registers as prescribed and explained in the form itself.

17. The totals of each Circle Demand Abstract shall be posted quarterly into the Abstract of Demand for the whole municipality, which may conveniently be placed at the beginning of the Demand Register belonging to circle No. 1.

ABSTRACT OF DEMAND FOR THE WHOLE MUNICIPALITY.

18. This abstract shall be in Form C. It shall be posted quarterly from the totals of the Abstracts of Demand of each circle.

FORM C.

Quarterly Abstract of the demand on account of Owners' House-rate during the currency of the Valuation made in the year

| | COLLECTING CIRCLES. | | | | | TOTAL. | REMARKS. |
|--|---------------------|--------|--|--|--|--------|----------|
| | No. 1. | No. 2. | | | | | |
| Demand for the [First] quarter of 18 | | | | | | | |
| Add new and improved holdings during the quarter ... | | | | | | | |
| Total ... | | | | | | | |
| Deduct remissions granted during the quarter ... | | | | | | | |
| Demand for the [Second] quarter of 18 | | | | | | | |
| (and so on). | | | | | | | |

PETITIONS.

19. Petitions against the assessment should, if possible, be presented in forms of a uniform pattern. The use of the form annexed to these rules is suggested for this purpose.

20. Petitions shall be registered in Form D by means of which the progress made in dealing with petitions shall be watched.

Form D.

PETITION REGISTER.

Register of Petitions for exemption from or reduction of Owners' house-rate.

[illegible]

REMISSION REGISTER.

21. All remissions shall be entered in the Remission Register, Form E, of the circle concerned.

FORM E.

CIRCLE No.

Register of Remissions of Owner's house-rate granted during the quarter ending

[illegible]

22. Remissions are of two kinds, viz.—

- (a) Those in respect of bills made out, whether actually served or not.
(b) Those in respect of the demand next to be made.

Two separate sets of columns are therefore provided, viz., Columns 9 to 24 for bills drawn, and columns 25 and 26 for future rate. The remissions shown in columns 9 to 24 shall be posted into the Bill Registers in detail, and the daily total of these remissions shall be posted into the tax-darogah's Daily Registers, Form J, for the circles and quarters concerned.

The amounts in columns 25 and 26 shall be posted in detail into the Demand Register, Form A.

The quarterly total of column 28 shall be posted into the Circle Demand Abstract, Form B.

23. Whenever a remission is granted in respect of a bill made out, the counterfoil of the bill and also its red receipt shall be placed, together with the Remission Register, before the Vice-Chairman.

If the demand has been entirely remitted, both the counterfoil of the bill and the red receipt shall be stamped "Cancelled" in large type, and the fact of cancellation attested by the initials of the Vice-Chairman.

If the demand has been reduced, the necessary correction shall be made in the counterfoil of the bill and in the red receipt, and attested by the initials of the Vice-Chairman.

ENHANCEMENT REGISTER.

24. All new assessments made after the publication of the list under section 112, and all enhancements of the original assessments, shall be posted in the Enhancement Register, Form F, under the initials of the Vice-Chairman or Secretary.

FORM F.

CIRCLE.

Enhancement Register of new and improved holdings, showing increase to the demand on account of house-rate for the Quarter ending

| | Serial No. | Date when brought on to this register. | Sub-division. | No. of holding. If any, in Demand Register. | Name of owner and description of holdings. | FORMER VALUATION, IF ANY. | NEW OR INCREASED VALUATION. | DIFFERENCE BETWEEN PREVIOUS AND REVISED VALUATION BEING AMOUNT OF INCREASE TO DEMAND. | Remarks and reference to proceedings, &c. | Vice-Chairman's initials. |
|--|------------|--|---------------|---|--|--|--|---|---|---------------------------|
| | 1 | 2 | 3 | 4 | 5 | Annual value of holding. Quarterly statement. | Annual value of holding. Quarterly statement. | Annual value of holding. Quarterly statement. | 10 11 | 12 |


25. The entries in columns 8 and 9 shall immediately be posted in detail into the Demand Registers in the space left for this purpose below the sub-division concerned (see rule 8), and the quarterly total of column 11 shall be posted into the Circle Demand Abstract, Form B, to work out the demand for the following quarter.

26. It must be remembered that, under section 93 of the Act, the new and enhanced assessments take effect only from the beginning of the following quarter.

BILLS AND BILL FORMS.

27. Bills for house-rate shall be in three parts in Form G, the receipt portion being printed in red ink.

FORM G.

| No. | MUNICIPALITY OF COUNTERFOIL FORM No. Rate on Holdings Bill. | No. | MUNICIPALITY OF Receipt for rate on holdings paid to be given to the rate-payer under Section 115, Act III (B.C.) of 1884. | No. | MUNICIPALITY OF Bill due for rate on holdings under Section 150 of Act III (B.C.) of 1884. |
|---|---|--|---|---|--|
| Collecting Circle | | (Name.) | | (Name.) | |
| Sub-division | | Owner of holding shown in the Municipal Registers as No. in collecting Cir- cle. and in the. | | Owner of holding shown in the Municipal Registers as No. in collecting Cir- cle. and in the. | |
| Number of holding on Valuation Register | | Sub-division. | | Sub-division. | |
| Name of owner | | | | | |
| Bill for the quarter of 18 | | | | | |
| Rs. A. P. | | To quarterly instalment of rate on hold- ings payable in advance on the first day of the quarter on account of the above-men- tioned holding for the quarter ending. | | To quarterly instalment of rate on hold- ings payable in advance on the first day of the quarter on account of the abovement- ioned holding for the quarter ending. | |
| Amount | | | | | |
| | | Rs. A. P. | | Rs. A. P. | |
| Date of Bill | | Amount | | Amount | |
| Date of service of Bill | | Received payment. | | | |
| Date of service of notice of demand | |  | | | |
| Date of service of warrant | | Sircar. | | | |
| | | DATED AT | | Vice-Chairman. | |
| | | The. | | | |
| | | N.B.—This receipt will not be valid unless signed by the Tax-Collector or Cashier. | | Vice-Chairman. | |

[N.B.—If the rate is recovered from the occu-
pier under the provisions of section 105, the
name of the occupier must also be stated.]

28. An estimate shall be made of the number of forms likely to be required for a year's consumption, and arrangements shall be made with the Superintendent of Government Printing at Calcutta to supply the bill forms printed in English, or in the vernacular, or both, the complete year's supply being consecutively numbered, and stitched in books of convenient size (say each containing 100 forms).

The full year's supply need not of course be obtained at once, but by means of two or more indents, so as to ensure the year's supply agreeing very closely with the actual requirements.

29. The surplus forms, which will be very few in number if proper care be taken in making the estimate and indents, shall be destroyed by the Vice-Chairman at the end of each year.

30. On receipt of the forms from the press, they shall be counted under the supervision of the Vice-Chairman or Secretary. On the fly leaf or cover of each book shall be noted the number of forms it contains attested by the initials of the person who counted them.

31. The Vice-Chairman shall keep the bill forms in his personal custody and under lock and key. He shall draw up written instructions prescribing in minute detail the procedure to be adopted in registering the receipt and issue of the forms, in supervising the issue of forms to the bill writers, and in proving that they deliver back every bill form which they have been entrusted to fill up, and in proving the issue of the completed bills to the sircars.

32. The Vice-Chairman shall be especially and primarily responsible for preventing the preparation of fraudulent bills, as well as for closely and constantly watching and enforcing the prompt realisation or obtaining the speedy remission of all bills which bear his signature.

33. The bill forms shall be filled up from the Demand Registers, and the Vice-Chairman shall issue written instructions regarding the comparison of the Bills with the Demand Register before they are brought to be signed.

34. The bills shall be signed or stamped with a *fac simile* signature by the Chairman, Vice-Chairman, Secretary, or the Commissioner for the ward to which the bills belong, and the signing officer shall satisfy himself that the comparison of the bills with the Demand Register has been carefully made.

35. If a *fac simile* stamp be used, it shall always be kept in the personal custody of the officer whose signature it represents, and shall never be used except in his presence and actually in his sight.

BILL REGISTER.

36. The signed bills shall be entered in the Bill Registers, Form H. The form requires no explanation, but it should be noted that in the case of bills paid in full a tick mark may be entered instead of the amount in columns 6, 12, 18 and 24.

FORM H.
CIRCLE No.

Register of Bills for Owners' rate on holdings for the year.....

| SUB-DIVISION. | No. of holding on the Demand Register. | Name of owner. | FIRST QUARTER. | | | | | | | | REMARKS. |
|---------------|--|----------------|----------------|---------|----------------|-------|-----------|-------|---|----|----------|
| | | | No. of bill | Amount. | How satisfied. | | | | A set of columns similar to Nos. 4 to 9 for 2nd, 3rd, and 4th quarters, respectively. | | |
| | | | | | Paid. | | Remitted. | | | | |
| | | | | | Amount. | Date. | Amount. | Date. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 to 17 | 18 | |
| | | | | | | | | | | | |

37. As stated in rule 8, the sub-divisions of each Bill Register will be identical with those of the corresponding Demand Register.

38. Each sub-division shall be totalled every quarter under the initials of the Vice-Chairman or Secretary, and shall be compared and agreed with the figure in the Circle Demand Abstract, Form B, which shall be signed by the Vice-Chairman in token of agreement.

SERVICE OF BILLS.

39. The bills having been made over to the collecting sircars in accordance with the procedure prescribed by the Vice-Chairman under rule 31, each sircar shall commence the service of the bills on the first day of the quarter.

40. If the tax be paid upon presentation of the bill, the sircar shall sign the red receipt, shall hand the bill together with the receipt to the tax-payer, and shall note the date of payment in the counterfoil of the bill, and he shall also enter the transaction in his Daily Register of collections, Form I.

FORM I.

CIRCLE No.

Sircar's Daily Register of Collections on account of Owner's house-rate.

| Date. | Sub-division. | Number of holding. | Owner. | Number of bill. | AMOUNT RECEIVED ON ACCOUNT OF THE PREVIOUS YEAR. | | | | AMOUNT RECEIVED ON ACCOUNT OF THIS YEAR. | | | | Total. | Warrant fee. | Remarks and note of any bill paid to the Cashier at Office. |
|-------|---------------|--------------------|--------|-----------------|--|-----------------|----------------|-----------------|--|-----------------|----------------|-----------------|--------|--------------|---|
| | | | | | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | First quarter. | Second quarter. | Third quarter. | Fourth quarter. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | | | | | | | | | | |

41. He shall either take the register with him on his rounds and enter therein each payment as he collects it, or if, owing to the size of the register, or to there being more than one

50. The abstracts for every quarter in respect of which there are outstandings having been prepared, their totals shall be posted into monthly progress statements, which shall be prepared separately for each circle, so as to show clearly how each sircar is working the circle entrusted to him. The circle progress statement shall be in Form L.

FORM L.

| MONTHLY PROGRESS STATEMENT OF CIRCLE No. | | | | | UNDER SIRCAR | | | | Total. |
|--|--------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|--------|
| | LAST YEAR. | | | | CURRENT YEAR. | | | | |
| | 1st quarter. | 2nd quarter. | 3rd quarter. | 4th quarter. | 1st quarter. | 2nd quarter. | 3rd quarter. | 4th quarter. | |
| Demand for each quarter | | | | | | | | | |
| Collections up to the end of last month for each quarter. | | | | | | | | | |
| Collections during this month for each quarter. | | | | | | | | | |
| Total collections for each quarter | | | | | | | | | |
| Remissions up to the end of last month for each quarter. | | | | | | | | | |
| Remissions during this month for each quarter. | | | | | | | | | |
| Total remissions for each quarter | | | | | | | | | |
| Grand total of collections plus remissions for each quarter. | | | | | | | | | |
| Balance outstanding for each quarter | | | | | | | | | |

51. The progress statements for each circle shall be verified by the Vice-Chairman or Secretary and the Accountant, and shall be laid before the Commissioners each month at their ordinary monthly meeting held under section 38 of the Act.

52. It will be unnecessary to compile the circle progress statements into a combined statement for the whole municipality every month, but it shall be done at least twice a year, and as often as the Commissioners may require it.

53. The progress statement of each circle shall be carefully scrutinised by the Commissioners at their monthly meeting. Whenever any progress statement shows outstandings extending over three complete quarters, the Commissioners shall cause a detailed list to be prepared of the bills outstanding for more than a complete half-year.

54. This list shall be prepared, circle by circle, from the Bill Registers by a clerk unconnected with the taxation department, if possible, and shall be verified by comparison with the undelivered receipts by the Secretary or other officer nominated to the duty. If the circle totals do not agree with those shown in the progress statements, a Committee shall be appointed to audit the taxation accounts and to reconcile the difference. If this difference be not reconciled within fifteen days, the Municipal Commissioners shall submit to the Magistrate a report stating the amount of the difference, the causes to which it is attributed, and the steps taken to reconcile it.

55. The Commissioners shall proceed to deal with the outstandings either by collecting or remitting the amounts. Every year, in the month of June, the Commissioners shall submit a taxation report through the Magistrate to the Commissioner of the Division in the form of a combined progress statement for the whole municipality, and if there are outstandings extending further back than the first quarter of the previous year, full explanation shall be given as to why these taxes have neither been collected nor remitted, and the Commissioner of the Division shall forward these explanations to Government with his remarks.

56. The outstandings mentioned in rule 55 will be dealt with as a separate arrear account and worked entirely from the lists. i.e., in the month of June, in preparing this list of old outstandings from the Bill Registers, the letter A in blue pencil shall be entered in the Bill Registers against each bill transferred to the arrear list, and the total amount transferred shall be noted at the foot of the circle progress statement concerned.

All subsequent realisations or remissions of the bills so transferred shall be entered in the list only, and not in the Bill Registers or Remission Registers, which provide for the current and last year's transactions only. The sircars shall set apart separate pages in their collection register or note-book for the entry of these arrear collections. The general registers will thus be wholly cleared, and shall not be used for the record of what have become practically dead accounts.

SECOND SERVICE OF BILLS, NOTICES OF DEMAND AND DISTRESS WARRANTS.

57. On the first day of the second month of the quarter, the sircar shall again take round the undelivered receipts, together with notices of demand, which shall in the interval have been attached to the receipts by the tax-darogah. If the demand is then not paid, the notices of demand shall be left with the assesses, and the undelivered receipts shall be returned to the tax-darogah for the preparation of distress warrants with a note of the date on which the notices of demand were served. When fifteen days shall have elapsed after the delivery of a notice of demand, the sircar shall proceed with a warrant of distress, and if the demand as well as the fee prescribed by law for the warrant expenses be not then satisfied, he shall make an attachment of the defaulter's property, preparing an inventory of all goods and chattels so attached, and proclaiming a notice of sale by beat of drum.

BILLS PAID AT OFFICE.

58. In the event of any unpaid bill, of which the counterfoil and red receipt are in the custody of the tax-darogah being brought to the Municipal Office and there satisfied, the

tax-darogah shall deal with the transaction precisely as the collecting sircar does in ordinary course, entering the amount in the Sircar's Daily Register, and noting the fact that the bill has been paid at office in the remark column as provided in the form.

COLLECTION OF TAXES AT THE MUNICIPAL OFFICE.

59. An alternative procedure is suggested, the distinctive feature of which consists in the refusal to permit the sircars to collect any money. Their duty will be strictly limited to serving the bills and notices of demand upon the assesses in the manner prescribed in the preceding rules. But each bill will contain a caution against the payment of any money to the server of the bill, and a direction to the rate-payer to proceed to the Municipal Office and pay the amount of the bill there.

60. At the end of each week the serving peons will bring back the bill-books and receipts to the Municipal Office with a certificate that every bill missing from the book has been properly served upon the assessee.

61. The tax-darogah, assisted by a sufficient number of clerks, should remain in the Municipal Office at a counter during certain fixed hours of each day, and upon presentation of a bill by a tax-payer he should receive the amount and hand to the tax-payer the corresponding red receipt.

62. The amount so received should be entered in a Daily Receipt Register, Form I, one such register being used for each kind of rate or tax. A separate register or set of registers should of course be supplied to each receiving clerk.

No. 198Mne., dated Calcutta, the 4th August 1890.

The following report of the 13th quarterly inspection of the Dock Works at Kidderpore, which are being carried out by the Commissioners of the Port of Calcutta, is published for general information.

J. M. McNEILE, Col., R.E.,
Secretary to the Government of Bengal.

QUARTERLY INSPECTION OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 31st July 1890.

From—MAJOR A. D. McARTHUR, R.E., and W. CONNAN, Esq.,

To—The Secretary to the Government of Bengal, Public Works Department.

ADVERTING to the orders of the Government of Bengal, communicated with your letter No. 1874M. of the 19th instant, we have the honour to report that the 13th quarterly inspection of the Dock Works was made on the 26th instant.

2. The usual tabular statement and the index plan showing the work done during the quarter, ending 30th June last, and the total amount executed from the commencement which have been prepared by the Superintending Engineer of the Dock Works, are already with Government. The present state of the various works under construction is reported in the following paragraphs:—

Sixty feet Lock.—This work is completed with the exception of the river-side revetments; about 13·7 per cent. of excavation and 2·6 per cent. of masonry work still remains to be done. The hanging of the riverside gates is almost completed.

Eighty feet Entrance.—The hanging of the gates is finished, and, with the exception of the riverside revetments, the work is almost completed. About 21·0 per cent. of excavation remains to be done.

Double entrance to Dock No. 1.—The work is almost completed, the gates being hung, and the completion of the erection of the swing bridge only remaining.

Tidal Basin.—The quay wall foundation has now been completed, and only a small quantity of the superstructure remains to be done; about 7·4 per cent. of masonry still remains.

Graving Dock.—All foundations are in; earthwork completed and only 4·3 per cent. of masonry remains to be done. The foundations of the engine-house and chimney shaft are also in.

Government Graving Dock.—Earthwork completed, foundations all in and two-thirds of the masonry done.

Dock No. 1.—The quay wall foundations and masonry all completed, with the exception of coping; 3,771,383 c.ft. of excavation is completed, and about 14·0 per cent. remains to be done. Considering the state of the work, it is expected that the earthwork will be completed during the current quarter.

Boat Canal.—During the quarter the excavation of this work was proceeded with, and about 1,978,618 c.ft. of earthwork executed, thus leaving only 25·1 per cent. of excavation to be done. The lift-lock is finished with the exception of gate erection. Main pumping station is well in hand. The bridges are practically complete with the exception of the approaches. The foundation of the Chetla Hat lock is in a forward state.

Subsidiary Works.—The chimney, shaft and engine-houses are complete, and the engine erected. The accumulator tower is bordering on completion and the erection of the accumulator almost complete. The jetty heads to the entrance are well in hand, and good progress has been made with the foundations of six cargo sheds.

Expenditure.—The total expenditure up to end of the quarter under review is reported to be Rs. 1,85,97,963, of which Rs. 1,59,95,278 represent outlay on works and Rs. 26,02,685 on account of land.

Sanitary.—The health of the workpeople was not so satisfactory as in the previous quarter. The average number of coolies employed was 7,579, among whom there were 19·0 deaths, thus showing a death-rate of 25·30 per annum.

General Remarks.—We are of opinion that fair progress has been made with the works, and that so far as we have been able to judge from a quarterly inspection the character of the work was satisfactory, and the quantity of the work done was all that could be desired, promising completion at an early date.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 9th August, 1890.

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. | |
|---------------------------|------------------------------|---|---|---|
| BENGAL. | | | | |
| Western Districts. | | | | |
| Burdwan Div. | 1 Burdwan Aug. 9, '90 | 18.53 | Weather—hot and rainy. Transplantation of paddy going on. Prices of common rice:— Burdwan Srs. 15 Culina 18 Ranigunge 15½ } per rupee. | |
| | Culina ... | 11.94 | | |
| | Ranigunge ... | 2.05 | | |
| | | | | |
| | 2 Bankura .. 9, '90 | 0.47 | Weather—warm and clear. Transplanting of <i>aman</i> rice nearly finished. Wooding of <i>aus</i> going on. Sugarcane and <i>til</i> prospering. Common rice selling at 19 seers per rupee at Sudder and 17 seers at Bishenpore. | |
| | 3 Birbhum .. 9, '90 | 0.89 | A break of dry weather in the southern part of the district, but plenty of rain in the north. Crops at present are fine. Prices of common rice range from 16 to 18 seers per rupee. | |
| | | 8.59 | | |
| | 4 Midnapur .. 9, '90 | 0.74 | Weather—fine generally, with occasional showers. Paddy is still being transplanted. Poor outturn of indigo in the Sudder subdivision. Prices of common rice:— Sudder Srs. 15½ Contai 16 Tumlook 14 Ghatal 16 } per rupee. | |
| | 5 Hooghly .. 9, '90 | 8.16 | Weather—seasonable. Prospects of crops promising. Prices of common rice:— Sudder Srs. 18 Serampore 16 Jehanabad 14½ } per rupee. | |
| | | 1.58 | | |
| | Serampore ... | 3.41 | | |
| | Jehanabad ... | | | |
| | Howrah .. 9, '90 | 2.46 | Weather—showery. Transplanting of <i>aman</i> continues. <i>Aus</i> , jute, and sugarcane doing well. More rain wanted in parts of the Uluberia subdivision. Price of common rice 13 to 14 seers per rupee. | |
| | Uluberia ... | 0.83 | | |
| | Central Districts. | | | |
| | Presidency Div. | 6 24-Pargahs Aug. 12, '90 | 3.10 | Weather—seasonable. Prospects of <i>aus</i> and jute continue fair. Transplantation of <i>aman</i> going on briskly, but more rain wanted in places. Prices stationary. |
| | | 7 Nuddea .. 9, '90 | 3.80 | Weather—seasonable. Prospects of standing crops good. <i>Aus</i> paddy on chur lands damaged by the rise of the rivers. Indigo crop unsatisfactory. |
| Kushtia ... | | | 1.44 | |
| Meherpore ... | | | 2.52 | |
| Chusdanga ... | | | 1.11 | |
| Ranaghat ... | | 1.60 | | |
| 8 Khoolna .. 9, '90 | | 2.00 | Weather—seasonable. Prospects of crops continue favourable, but transplantation has been somewhat retarded on the low lands in Bagirhat and Khulna by excessive moisture. | |
| | | Bagirhat ... | | 1.85 |
| Satkhira ... | | 1.84 | | |
| 9 Jessore .. 9, '90 | | 1.48 | Weather—hot and cloudy, with occasional showers. Harvesting of <i>aus</i> going on. Prospects of <i>aman</i> good. Rivers rising. Some damage done to <i>aus</i> crop in thana Baidikopa and also in part of thana Jhenidah by the early rise of the river. | |
| | | Jhenidah ... | | 1.20 |
| | | Magura ... | | 2.09 |
| | | Narail ... | | 1.59 |
| Bongong ... | | 1.02 | | |
| 10 Moorshedabad .. 9, '90 | | 1.52 | Weather—fine with passing clouds. Bhagirathce unprecedentedly high, gauge reading being this noon (9th August) 30' 6½". Much damage has been done to the <i>dhadoi</i> crop in the Lalbag and Jungipore subdivisions by the floods. <i>Aman</i> progressing on well. | |
| 11 Dinagepur .. 9, '90 | | 0.49 | Weather—seasonable. Transplantation of <i>haimanti</i> rice continues. Reaping of <i>dhadoi</i> rice and jute has just been taken in hand. Prospects very favourable. Price of rice stationary. | |
| | | Thakurgaon ... | | 6.0 |
| | | | | |
| 12 Rajshahye .. 9, '90 | 2.05 | Weather—seasonable. Plenty of rain. Prospects of crops excellent. The rain has done no harm. Jute is being cut and steeped. The crop will be a good, if not a bumper one; but prices are low. <i>Aus</i> is being reaped. | | |
| | Natore ... | | 3.15 | |
| Nowgong ... | 1.07 | | | |
| 13 Rangpur .. 9, '90 | 1.20 | A break in the rains. Bright weather, with light easterly winds. All crops promise well. Jute has been cultivated this year to an extent hitherto unknown. | | |
| | Kurigram ... | | 2.55 | |
| | Gaibanda ... | | 4.23 | |
| | Nilphamari ... | | 2.94 | |
| 14 Bogra .. 9, '90 | 2.78 | Weather—very damp and gloomy, with frequent showers up to the 8th instant inclusive. On the 9th sunshine has begun, which was much wanted. Transplantation of <i>aman</i> is going on apace. <i>Aus</i> is still being harvested, with good outturn. Jute is still being cut and steeped, and is an excellent crop. Common rice is selling at 19 seers a rupee. | | |
| | Sherpur ... | | 1.04 | |
| | Nowkhilla ... | | 2.04 | |
| 15 Pubna .. 9, '90 | 0.96 | Weather—hot in the day, but cool at night. Prospects of <i>aman</i> and <i>aus</i> paddy and jute are favourable. <i>Aus</i> and jute on low lands partially damaged. Prices of food-grains stationary. | | |
| | | | | |
| 16 Darjeeling .. 9, '90 | 7.10 | Weather—rainy with occasional breaks. The rain has abated, and there has been some sunny weather. Jute crop in the Terai estimated at 10 <i>aman</i> . | | |
| 17 Jalpigoree .. 9, '90 | 1.19 | Weather—close and cloudy. Transplantation of <i>aman</i> going on rapidly. Reaping of <i>aus</i> progressing. Jute growing well. Prices stationary. | | |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|---------------------------|-------------------------------------|---------------------------------------|--|
| BENGAL—concluded. | | | |
| <i>Eastern Districts.</i> | | | |
| Dacca Divn. | 18 Dacca Aug. 9, '90 | 4.62 | Weather—mostly cloudy with gleams of sunshine at intervals. Jute and <i>amun</i> paddy being harvested. <i>Amun</i> has suffered to some extent owing to flood. <i>Amun</i> paddy thriving. Price of common rice 13 to 15 seers per rupee. |
| | 19 Furreedpur „ 9, '90 | 1.00 | Weather—seasonable. River has risen higher than the last year's highest flood level, and has submerged the growing crops in the thanas of Kotwali, Ainapore, and Bhanga. River is now going down slowly to the great relief of the people. <i>Amun</i> had been harvested for the most part before the waters rose, and the damage done to it will not probably be more than four annas. Jute crop has been good, but its price is low, about Rs. 2-4 per maund. <i>Amun</i> has not been so damaged as it was anticipated at first. The crops in Madaripur are fair, and such is also nearly the case in Goalundo. Want of fodder is severely felt. Price of rice stationary. |
| | 20 Backergunge „ 9, '90 | 2.17 | Weather—seasonable. State of standing crops generally good, but some damage has been done to <i>amun</i> seedlings by floods. Common rice selling at about 13½ seers per rupee. |
| | 21 Mymensingh „ 9, '90 | 2.14 | Usual monsoon weather with slight rainfall. In the Tangail subdivision the crops are being damaged by high flood. In other parts of the district prospects continue favourable on the whole. Common rice sells at 13 seers 9 chittacks per rupee. |
| Chittagong Divn. | 22 Chittagong „ 9, '90 | 5.36 | Weather—seasonable. Prospect of <i>amun</i> fair. Lands are still being prepared for <i>amun</i> . Rice selling at 16 seers per rupee. |
| | 23 Noakhelly „ 9, '90 | 3.12 | Weather—seasonable. <i>Amun</i> crop is being reaped and harvested. Transplantation of <i>amun</i> going on. Price of <i>amun</i> rice 13 seers and of <i>amun</i> rice 16 seers per rupee at Feny subdivision. |
| | 24 Tipperah „ 9, '90 | 2.54 | Weather—seasonable. <i>Amun</i> paddy is being cut. Prospects of <i>amun</i> paddy good. Jute cutting and steeping going on. The flood is high at Brahmanberiah. No injury to paddy crop has been yet caused. |
| | 25 Chittagong Hill Tracts. „ 6, '90 | 7.04 | Weather—cloudy and rainy throughout the week, except on the 2nd. Early <i>jum</i> paddy ripening. Cotton progressing. Transplanting on low lands commenced. Common rice being sold at 12 seers 5 chittacks per rupee. |
| | Hill Tipperah | ... | Report not received. |
| BEHAR. | | | |
| Patna Divn. | 26 Patna „ 9, '90 | 3.79 | Weather—hot. Transplantation of paddy continues. Prospects of <i>bhadoi</i> crops not favourable owing to excessive rain. Much injury reported to have been done to them in the Barh subdivision. Prices of food-grains stationary. |
| | Barh „ „ | 2.16 | |
| | 27 Gya „ 9, '90 | 0.89 | Weather—hot and cloudy. Transplantation of paddy going on. <i>Bhadoi</i> injured by excessive rain. Sugarcane doing well. Prices of food-grains almost stationary. |
| | 28 Shahabad „ 9, '90 | 5.92 | Weather—cool and stuffy alternately; some sunshine. <i>Bhadoi</i> is almost all gone in the Sudder and Buxar subdivisions, and partially damaged in the Sasseram and Bhabuah subdivisions. Prospects of paddy good. Prices stationary. |
| | Buxar „ „ | 4.32 | |
| | Sasseram „ „ | 1.41 | |
| | Bhabuah „ „ | 1.34 | |
| | 29 Darbhanga „ 9, '90 | 4.05 | Bright sunshine in the latter part of the week. Prospects of the <i>bhadoi</i> and <i>aghani</i> crops continue favourable except where damage has been done by floods. A break in the rains for a few days would do good to the crops. Indigo manufacture still going on. Prices remain stationary. |
| | Madhubani „ „ | 4.11 | |
| | 30 Mozufferpur „ 9, '90 | 5.04 | A good deal of rain has fallen during the week, but there have been two clear, dry days, which have effected some improvement in the prospects of the crops. The Bur Gunda which has overflowed its banks, and submerged a considerable area of crops, is now falling. The damage done by floods in all parts of the district is less serious than in the past year. |
| | Hajipur „ „ | 3.13 | |
| | 31 Sarun „ 9, '90 | 2.88 | Weather—finer with some sun. <i>Bhadoi</i> crops almost all gone for want of sun and from excessive rain. Heavy floods have seriously damaged the rice and indigo crops. Extent of damage cannot at present be stated. |
| | 32 Champaran „ 9, '90 | 2.22 | Weather—cloudy off and on; hot with east wind. Sunshine after heavy and continuous rainfall has been beneficial to the <i>bhadoi</i> crops, some of which have been damaged to some extent. Transplantation of paddy nearly completed. Indigo manufacture of first cutting finished. |
| | Bettiah „ „ | 3.68 | |
| | 33 Monghyr „ 9, '90 | 0.75 | Easterly winds, less rain and more sun. Floods have damaged the <i>bhadoi</i> crops, especially along the Ganges. Indian-corn promises well. |
| | Begusarai „ „ | 2.00 | |
| | 34 Bhagalpur „ 9, '90 | 1.21 | Weather—clear. Slight rain. Previous heavy rain and rising of the river have done some damage to <i>marua</i> and <i>makai</i> . Prospects of paddy good, and there has been sunshine for the last 3 or 4 days. |
| | Banks „ „ | 3.08 | |
| | Madhepura „ „ | 2.52 | |
| | Scoopool „ „ | 2.11 | |
| | 35 Purneah „ 9, '90 | 1.12 | Weather—sunny with breezes. <i>Bhadoi</i> harvest commencing with favourable prospects. Jute harvest also commencing, but some damage done by excessive rain. Transplanting of winter rice continues. Some injury done by floods in the north-east and centre of the district. |
| | Kishengunge „ „ | 7.24 | |
| | Arrareah „ „ | 4.92 | |
| | 36 Maldah „ 9, '90 | 2.30 | Weather—hot and cloudy with occasional showers. <i>Bhadoi</i> is being harvested. A great deal has been damaged by inundation. Transplantation of winter rice going on. This crop also has suffered to some extent from inundation. Jute is being cut. Common rice selling at from 11 to 17 seers per rupee. |
| | Shibganje „ „ | 2.33 | |
| | Gajole „ „ | 3.43 | |
| | 37 Sonthal Pergah „ 9, '90 | 6.56 | Ordinary monsoon weather. Paddy transplantation almost finished; prospects excellent. <i>Makai</i> somewhat damaged by excessive rain, and a good deal by early rise of the river in Rajmehal. |
| | Deoghur „ „ | 2.30 | |
| | Godda „ „ | 2.73 | |
| | Jamtara „ „ | 1.12 | |
| | Pakour „ „ | 5.23 | |
| | Rajmehal „ „ | 4.75 | |

| No. | District and date of return. | Rainfall at Sudder Station in inches. | Character of the weather and state and prospects of the crops. |
|------------------------------------|------------------------------|---------------------------------------|---|
| ORISSA. | | | |
| ORISSA DIV. | 38 Cuttack Aug. 9, '90 | 1.89 | Rainfall during the week quite insufficient. Transplanting of <i>serad</i> paddy in many places interfered with for want of sufficient rainfall. In Binjharpor Chakia of the Jajpur subdivision, <i>serad</i> paddy has been attacked by insects. |
| | 39 Poonoo " 7, '90 | 1.20 | Weather—seasonable. Puddling, weeding, and transplanting of <i>serad</i> rice crop going on. <i>Beali</i> or early rice in ear. Miscellaneous crops doing well. Prices of common rice vary from 18 seers 6 chittacks to 21 seers per rupee in the Sudder subdivision. |
| | Knoorda " " " | 0.79 | |
| | Banpur " " " | 3.34 | |
| | 40 Balasore " 9, '90 | 2.35 | Weather—more seasonable than in previous week. Crops suffered from want of rain in the latter part of July. Prospects somewhat better now. Number of coolies on relief-works 38. |
| CHOTA NAGPORE. | | | |
| <i>South-West Frontier Agency.</i> | | | |
| CHOTA NAGPORE DIV. | 41 Hazaribagh Aug. 9, '90 | 2.62 | Weather—seasonable; fair at intervals. Moderate rainfall. Transplantation of paddy progressing vigorously. All crops doing well except Indian-corn, which has been damaged by excessive rain. Prices about stationary. |
| | 42 Lohardugga " 9, '90 | 2.80 | Weather—seasonable. Transplantation of winter rice is being carried on actively everywhere. Prospect of <i>bhados</i> crop continues good. No material change in prices. |
| | Palamow (up to 4th Aug.) | 2.55 | |
| | 43 Singhbhum Aug. 9, '90 | 0.78 | Rain holding off too long. Heavy rain urgently needed. Rice crop suffering for want of sufficient rain. <i>Bhados</i> crops are, however, in very satisfactory condition. Rice selling at from 16 to 24 seers per rupee except at Manaharpur in Sarandha, where it has risen to 12 seers per rupee. |
| | 44 Manbhum " 9, '90 | 0.66 | Weather—seasonable. Slight rain fell during the week, but it is not unfavourable to the crops. Transplantation about three-fourths finished. Prospects of crops good. Ordinary rice selling at from 15 to 20 seers per rupee. |
| | Govindpore " " " | 0.70 | |

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 12th August, 1890.P. NOLAN,
Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

| NAMES OF MARKS. | STOCK IN HAND AS COMPILED OF— | | | | | | | | | | | | |
|---|--|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--|--|--|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--|
| | 1st week of August 1889. | 1st week of Sept. 1889. | 2nd week of Oct. 1889. | 1st week of Nov. 1889. | 1st week of Dec. 1889. | 1st week of Jan. 1890. | 1st week of Feb. 1890. | 1st week of Mar. 1890. | 1st week of April 1890. | 1st week of May 1890. | 1st week of June 1890. | 1st week of July 1890. | 1st week of August 1890. |
| | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. |
| Bellaghatta | 7,32,700 | 6,62,000 | 5,06,000 | 4,54,000 | 2,96,500 | 2,00,000 | 5,42,000 | 9,31,100 | 15,22,500 | 10,94,000 | 2,85,500 | 7,54,000 | 6,42,000 |
| Oritadanga | 78,700 | 74,400 | 71,900 | 67,400 | 55,400 | 63,400 | 83,900 | 1,02,500 | 1,12,500 | 86,600 | 84,700 | 74,900 | 67,900 |
| Chittpore, Golsbarree, Coomer- tooly, Halkhola, and Culpy Ghat. | 6,97,700 | 6,76,300 | 6,74,100 | 6,32,300 | 5,86,000 | 6,00,400 | 5,98,000 | 5,83,800 | 6,91,600 | 5,97,800 | 4,79,200 | 4,96,100 | 5,10,500 |
| Pathuriashatta, Posta, and Jorabagan. | 3,000 | 4,000 | 5,000 | 8,000 | 3,000 | 4,000 | 5,000 | 4,000 | 3,000 | 4,000 | 3,500 | 4,000 | 3,000 |
| Tallygunge, Chittah, Kilderpore, and Moonshigunge. | 1,10,700 | 72,500 | 64,500 | 65,200 | 66,100 | 82,750 | 96,100 | 1,31,500 | 1,26,650 | 1,32,900 | 1,19,450 | 1,04,700 | 90,000 |
| 21 Minor Basars (estimated) ... | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 | 2,40,000 |
| Other retail shops, 3,120 in number (estimated). | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 | 2,50,000 |
| Boidyabatty, Nowabgunge, Bhuddeswar, and Chandern- agore. | 16,117 | 14,265 | 14,382 | 13,410 | 14,080 | 22,425 | 19,006 | 33,468 | 31,225 | 19,303 | 22,762 | 46,979 | 56,837 |
| Total ... | 21,80,017 | 18,93,465 | 18,15,832 | 17,31,310 | 15,13,080 | 15,68,975 | 18,43,506 | 22,64,300 | 29,77,375 | 23,61,669 | 21,85,112 | 19,00,579 | 18,66,167 |
| On Railway premises on both sides of the river. | 4,179 (on 3rd Aug. 1889.) | 9,506 (on 3rd Sept. 1889.) | 9,208 (on 3rd Oct. 1889.) | 14,011 (on 3rd Nov. 1889.) | 6,977 (on 3rd Dec. 1889.) | 29,007 (on 3rd Jan. 1890.) | 96,035 (on 3rd Feb. 1890.) | 47,988 (on 3rd Mar. 1890.) | 24,996 (on 3rd Apr. 1890.) | 24,633 (on 3rd May 1890.) | 11,927 (on 3rd June 1890.) | 15,533 (on 3rd July 1890.) | 2,371 (on 3rd August 1890.) |
| On boats un- loaded ... | 1,32,233 (1st to 3rd Aug. 1889.) | 25,839 (1st to 3rd Sept. 1889.) | 17,833 (5th to 7th Oct. 1889.) | 21,324 (1st to 3rd Nov. 1889.) | 20,050 (1st to 3rd Dec. 1889.) | 61,641 (2nd to 4th Jan. 1890.) | 68,796 (1st to 3rd Feb. 1890.) | 86,599 (1st to 3rd Mar. 1890.) | 37,746 (1st to 3rd Apr. 1890.) | 30,197 (1st to 3rd May 1890.) | 24,756 (1st to 3rd June 1890.) | 23,331 (1st to 3rd July 1890.) | 54,776 (1st to 3rd August 1890.) |
| By Port Com- missioners' re- turns. | 29,345 (1st to 3rd Aug. 1889.) | 19,881 (1st to 3rd Sept. 1889.) | 45,922 (5th to 7th Oct. 1889.) | 14,718 (1st to 3rd Nov. 1889.) | 8,855 (1st to 3rd Dec. 1889.) | 1,31,815 (2nd to 4th Jan. 1890.) | 2,42,044 (1st to 3rd Feb. 1890.) | 1,34,547 (1st to 3rd Mar. 1890.) | 58,619 (1st to 3rd Apr. 1890.) | 23,975 (1st to 3rd May 1890.) | 23,957 (1st to 3rd June 1890.) | 23,398 (1st to 3rd July 1890.) | 18,546 (1st to 3rd August 1890.) |
| Grand total of Stocks ... | 22,06,673 | 19,40,282 | 18,97,914 | 17,61,303 | 15,40,243 | 17,90,438 | 21,81,281 | 25,06,503 | 29,96,735 | 24,43,474 | 22,43,768 | 20,30,631 | 19,40,892 |
| Probable stock available for exportation by sea. | 12½ lakhs | 9 lakhs | 8½ lakhs | 7½ lakhs | 6 lakhs | 7½ lakhs | 11½ lakhs | 14½ lakhs | 12½ lakhs | 14 lakhs | 12 lakhs | 9½ lakhs | 9 lakhs |

STATISTICAL DEPARTMENT,
The 11th August, 1890.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

| Number. | DISTRICTS. | QUANTITIES PER RUPEE IN | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-----------------|-------------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|--|------------------------|------------------------------------|-----|----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLUM. (Sorghum Vulgare.) | | | | | | | | | | | | | | | | |
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | | | | | | | | | | | |
| BENGAL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Western Districts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | S. | Ch. | | | | | | | | | | | |
| 1 | Burdwan .. | 14 | 8 | 14 | 0 | 13 | 4 | ... | ... | ... | 12 | 0 | 12 | 0 | 11 | 4 | 14 | 10 | 14 | 13 | 13 | 11 | ... | ... | ... | | | | | |
| 2 | Bankoora ... | 15 | 0 | 14 | 0 | 13 | 8 | 20 | 0 | 20 | 0 | 17 | 8 | 15 | 0 | 15 | 0 | 14 | 8 | 18 | 0 | 18 | 0 | 17 | 4 | ... | ... | ... | | |
| 3 | Beerbhoom ... | 16 | 8 | 16 | 8 | 15 | 6 | ... | ... | ... | 13 | 8 | 13 | 8 | 12 | 0 | 16 | 8 | 16 | 8 | 13 | 8 | ... | ... | ... | ... | | | | |
| 4 | Midnapore ... | 12 | 0 | 13 | 0 | 11 | 7 | ... | ... | ... | 13 | 0 | 12 | 12 | 12 | 0 | 16 | 4 | 16 | 4 | 16 | 0 | ... | ... | ... | ... | | | | |
| 5 | Hoghly ... | 13 | 0 | 13 | 0 | 13 | 0 | ... | ... | ... | 8 | 0 | 8 | 0 | 8 | 0 | 13 | 0 | 13 | 0 | 11 | 0 | ... | ... | ... | ... | | | | |
| | Howrah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | 4 | 11 | 4 | 10 | 0 | 13 | 4 | 13 | 4 | 13 | 4 | ... | ... | ... | ... | | | | |
| Central Districts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Calcutta ... | 13 | 6 | 13 | 9 | 12 | 12 | 17 | 8 | 17 | 7 | 16 | 8 | 9 | 10 | 8 | 14 | 8 | 11 | 18 | 9 | 13 | 1 | 12 | 12 | 19 | 3 | 18 | 13 | ... |
| 6 | 24-Pergunnahs | 15 | 0 | 15 | 0 | 13 | 0 | 16 | 0 | 18 | 0 | 18 | 0 | 8 | 0 | 8 | 0 | 7 | 0 | 13 | 12 | 13 | 12 | 13 | 4 | ... | ... | ... | ... | |
| 7 | Nudda ... | 15 | 10 | 15 | 10 | 14 | 15 | 20 | 0 | 20 | 0 | 17 | 12 | 11 | 5 | 11 | 3½ | 11 | 0½ | 12 | 12 | 12 | 13 | 12 | 9 | ... | ... | ... | ... | |
| 8 | Khoolna ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 | 4 | 13 | 0 | 10 | 10 | 14 | 0 | 14 | 4 | 12 | 5 | ... | ... | ... | ... | ... | ... | ... | |
| 9 | Jessore ... | 13 | 4 | 13 | 4 | 13 | 0 | ... | ... | ... | 11 | 0 | 12 | 0 | 11 | 0 | 15 | 0 | 16 | 0 | 13 | 0 | ... | ... | ... | ... | ... | ... | ... | |
| 10 | Moorshedabad | 16 | 0 | 16 | 0 | 15 | 0 | ... | ... | ... | 11 | 0 | 11 | 0 | 10 | 10 | 15 | 0 | 15 | 0 | 14 | 8 | ... | ... | ... | ... | ... | ... | ... | |
| 11 | Dinapore ... | 15 | 0 | 15 | 0 | 13 | 8 | 15 | 9 | 17 | 0 | 25 | 0 | 13 | 4 | 13 | 4 | 12 | 0 | 15 | 8 | 15 | 9 | 14 | 8 | ... | ... | ... | ... | |
| 12 | Rajahmhye ... | 16 | 8 | 16 | 8 | 15 | 12 | 24 | 0 | 21 | 0 | 26 | 4 | 12 | 12 | 12 | 12 | 10 | 8 | 14 | 4 | 13 | 11 | 12 | 0 | ... | ... | ... | ... | |
| 13 | Rungpore ... | 18 | 5 | 18 | 5 | 14 | 8 | ... | ... | ... | 9 | 6 | 9 | 6 | 10 | 8 | 13 | 5 | 13 | 5 | 14 | 8 | ... | ... | ... | ... | ... | ... | ... | |
| 14 | Bogra ... | 15 | 15 | 16 | 14 | 13 | 8 | ... | ... | ... | 12 | 0 | 12 | 0 | 9 | 12 | 16 | 15 | 17 | 4 | 14 | 4 | ... | ... | ... | ... | ... | ... | ... | |
| 15 | Pubna ... | 18 | 12 | 18 | 0 | 15 | 12 | ... | ... | ... | 7 | 8 | 7 | 0 | 7 | 8 | 15 | 6 | 16 | 0 | 13 | 8 | ... | ... | ... | ... | ... | ... | ... | |
| 16 | Darjeeling ... | 8 | 0 | 10 | 0 | 10 | 0 | 9 | 8 | 9 | 0 | 6 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 9 | 0 | 9 | 0 | 11 | 0 | ... | ... | ... | ... | ... |
| 17 | Julpigoree ... | 14 | 0 | 13 | 0 | 12 | 0 | 6 | 0 | 16 | 0 | 16 | 0 | 8 | 0 | 8 | 0 | 8 | 0 | 16 | 0 | 14 | 0 | 13 | 0 | ... | ... | ... | ... | ... |
| Eastern Districts. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Dacca ... | 12 | 0 | 13 | 0 | 13 | 0 | 14 | 0 | 16 | 0 | 25 | 0 | 12 | 0 | 13 | 0 | 10 | 0 | 14 | 0 | 14 | 0 | 14 | 0 | ... | ... | ... | ... | ... |
| 19 | Furzedpore ... | 15 | 0 | 15 | 0 | 16 | 0 | 20 | 0 | 20 | 0 | 16 | 0 | 10 | 0 | 10 | 0 | 9 | 0 | 15 | 0 | 16 | 0 | 13 | 0 | ... | ... | ... | ... | ... |
| 20 | Backergunge ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11 | 14 | 12 | 5 | 11 | 0 | 16 | 0 | 14 | 8 | 12 | 0 | ... | ... | ... | ... | ... | ... | ... | ... |
| 21 | Mymensingh ... | 11 | 4 | 11 | 4 | 10 | 0 | ... | ... | ... | 10 | 4 | 10 | 0 | 12 | 0 | 13 | 6 | 13 | 8 | 13 | 8 | ... | ... | ... | ... | ... | ... | ... | ... |

A. In subdivisions retail prices of salt per rupee are:—Culina 10 seers, Cutwa 10 seers 6 chittacks, and Maneegunge 10 seers 4 chittacks.

B. At Rampore Haut retail price of salt 9 seers per rupee.

C. In subdivisions retail prices of salt per rupee are:—Contal 9½ seers, Tumlook 8 seers, and Ghatal 11 seers.

D. In subdivisions retail prices of salt per rupee are:—Berampore 11 seers and Jahanabad 10 seers 10 chittacks.

E. In subdivisions retail prices of salt per rupee are:—Baraset 10 seers, Basirhat 9 seers, Diamond Harbour (at Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.

F. In subdivisions retail prices of salt per rupee are:—Koushtea 10 seers, Meherpore 10 seers, Choodanga 10 seers, and Ranaghat 9 seers 2 chittacks.

G. At Bagirhat retail price of salt 8 seers per rupee.

H. In subdivisions retail prices of salt per rupee are:—Jhenida 9 seers, Magura 9½ seers, Narail 9½ seers, and Bongong 10 seers.

I. In subdivisions retail prices of salt per rupee are:—Lalbagh 9½ seers, Jungipore 10 seers, and Kandi 10 seers 10 chittacks.

INDIAN-CORN OR
MAIZE
(See Notes.)

ARHAR OR TURK,
CADJAN (P.E.A.,
(Cajanus indicus.)

PINEWOOD.

Present return.

Next preceding
return.

Corresponding return
of last year.

Present return.

Next preceding
return.

Corresponding return
of last year.

Present return.

Next preceding
return.

Corresponding return
of last year.

| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ... | ... | ... | 20 0 | 19 0 | 17 12 | 100 0 | 100 0 | 107 4 |
| 26 0 | 26 0 | 19 0 | 19 0 | 19 0 | 15 0 | 240 0 | 240 0 | 240 |
| ... | ... | ... | 18 8 | 18 8 | 16 0 | 160 0 | 160 0 | 160 |
| ... | ... | ... | 12 4 | 18 0 | 12 0 | 120 0 | 120 0 | 160 |
| ... | ... | ... | 11 0 | 11 0 | 13 0 | 120 0 | 120 0 | 120 |
| ... | ... | ... | 18 4 | 18 0 | 13 4 | 100 0 | 100 0 | 100 |

| 19 5 | 18 3 | ... | 16 8 | 17 0 | 16 11 | 92 5 | 92 8 | 100 |
|------|------|------|-------|-------|-------|-------|-------|-----|
| ... | ... | ... | 17 0 | 17 0 | 17 0 | 100 0 | 100 0 | 100 |
| ... | ... | ... | 19 0 | 19 10 | 16 14 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 160 0 | 160 0 | 100 |
| ... | ... | ... | 18 0 | 18 0 | 18 0 | 160 0 | 160 0 | 100 |
| ... | ... | ... | 16 0 | 14 8 | 18 0 | 168 0 | 170 0 | 100 |
| ... | ... | ... | 19 14 | 19 8 | 18 8 | 240 0 | 240 0 | 240 |
| ... | ... | ... | 10 5 | 10 5 | 12 4 | 100 0 | 100 0 | 120 |
| ... | ... | ... | ... | ... | ... | 90 0 | 90 0 | 68 |
| ... | ... | ... | 18 12 | 18 0 | 17 4 | 200 0 | 200 0 | 200 |
| ... | ... | ... | 8 0 | 8 0 | ... | 120 0 | 120 0 | 120 |
| 18 0 | 11 0 | 18 0 | 12 0 | 12 0 | 10 0 | 200 0 | 200 0 | 128 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |

| ... | ... | ... | 12 0 | 18 0 | 16 0 | 90 0 | 160 0 | 100 |
|------|------|------|-------|------|------|-------|-------|-----|
| 16 0 | 16 0 | 20 0 | 10 0 | 10 0 | 16 0 | 120 0 | 120 0 | 120 |
| ... | ... | ... | 12 12 | 12 5 | 11 8 | 100 0 | 120 0 | 120 |
| ... | ... | ... | 10 0 | 18 8 | 10 0 | ... | ... | ... |

Head-quarter Station Bazars of the Districts of Bengal on the 31st July, 1890.

| | | | WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | DISTRICTS. |
|----------------------|------------------------|------------------------------------|---|------------------------|------------------------------------|--|------------------------|------------------------------------|----------------------------|------------------------|------------------------------------|---|------------------------|------------------------------------|----------------|
| SALT. | | | SALT. | | | ABLE-BODIED AGRICULTURAL LABOURER. | | | STEEL OR HOUSE- KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| B. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | BENGAL. |
| A t. | t. | t. | | | | | | | | | | | | | |
| 10-14-14 | 10-6-3 | 10-8-3 | 8 8 9 | 8 9 9 | 8 11 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 0 | 6 0 | 10 0 | 10 0 | 10 0 | Burdwan. |
| 10 4 | 10 0 | 10 0 | 3 15 0 | 3 15 0 | 3 15 0 | 7 0 | 7 0 | 7 0 | 6 0 | 5 0 | 6 0 | 15 0 | 15 0 | 15 0 | Bankoora. |
| B | | | | | | 12 0 | 10 0 | 7 12 | 9 0 | 8 0 | 9 0 | 16 0 | 16 0 | 16 0 | Beerbhoom. |
| 10 8 | 10 8 | 10 8 | 3 10 0 | 3 10 0 | 3 10 0 | 8 0 | 6 0 | 5 0 | 5 0 | 6 0 | 6 0 | 12 0 | 10 0 | 7 8 | Midnapore. |
| C | | | | | | | | | | | | 7 8 | 7 4 | 7 8 | Hooghly. |
| 10 2 | 10 0 | 10 6 | 3 12 0 | 3 14 6 | 3 13 6 | 6 9 | 6 1 | 7 8 | 6 0 | 6 0 | 6 0 | 10 0 | 10 0 | 10 0 | Howrah. |
| D | | | | | | | | | | | | 8 0 | 8 0 | 10 0 | |
| 9 0 | 9 0 | 9 0 | 3 12 0 | 3 12 0 | 3 11 6 | 9 6 | 9 13 | 9 13 | 6 0 | 6 0 | 6 0 | 40 0 | 30 0 | 80 0 | |
| 10 0 | 10 0 | 10 8 | 3 11 6 | 3 11 0 | 3 9 6 | 7 8 | 7 8 | 7 8 | 6 0 | 7 0 | 7 0 | 12 0 | 12 0 | 12 0 | |
| | | | | | | 15 0 | 15 0 | 15 0 | 8 0 | 7 0 | 7 0 | 25 0 | 25 0 | 25 0 | |
| (Coolies.) | | | | | | | | | | | | | | | |
| 10 7 | 10 7 | 10 10 | 3 9 3 | 3 9 4 | 3 8 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 0 | 6 0 | 15 0 | 15 0 | 15 0 | Calcutta. |
| E | | | | | | 9 0 | 10 0 | 10 0 | 6 0 | 6 0 | 6 0 | 15 0 | 15 0 | 15 0 | 24-Pergunnahs. |
| 10 0 | 10 0 | 10 8 | 3 8 0 | 3 8 0 | 3 8 9 | 10 0 | 11 0 | 11 0 | 7 0 | 7 0 | 7 0 | 30 0 | 25 0 | 25 0 | Nuddea. |
| F | | | | | | | | | | | | 7 8 | 7 8 | 7 8 | Khoolna. |
| 9 13 | 9 13 | 9 2 | 3 13 0 | 3 13 0 | 3 14 0 | 7 8 | 7 8 | 6 0 | 6 0 | 6 0 | 6 0 | 15 0 | 15 0 | 15 0 | Jessore. |
| G | | | | | | | | | | | | 12 0 | 12 0 | 12 0 | Moorshedabad. |
| 9 0 | 8 0 | 9 0 | 4 4 0 | 4 3 0 | 4 0 0 | 7 8 | 7 8 | 7 8 | 7 0 | 7 0 | 7 0 | 10 0 | 10 0 | 10 0 | Dinapore. |
| H | | | | | | | | | | | | 30 0 | 25 0 | 30 0 | Rajshahye. |
| 9 2 | 9 2 | 9 2 | 4 0 0 | 4 0 0 | 4 0 0 | 5 0 | 5 0 | 5 0 | 4 0 | 4 0 | 4 0 | 10 0 | 10 0 | 10 0 | Rungpore. |
| I | | | | | | | | | | | | 15 0 | 15 0 | 15 0 | Bogra. |
| 10 10 | 10 10 | 10 0 | 3 12 0 | 3 12 0 | 3 10 3 | 7 8 | 7 8 | 7 8 | 6 0 | 6 0 | 6 0 | 10 0 | 10 0 | 10 0 | Pubna. |
| J | | | | | | | | | | | | 20 0 | 20 0 | 20 0 | Darjeeling. |
| 10 0 | 10 0 | 10 0 | 4 0 0 | 4 0 0 | 3 15 0 | 7 8 | 7 8 | 7 8 | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 15 0 | Julpigoree. |
| K | | | | | | | | | | | | 16 0 | 16 0 | 16 0 | |
| 9 0 | 9 0 | 9 0 | 4 2 8 | 4 2 8 | 4 1 4 | 5 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 7 0 | 8 0 | 8 0 | |
| L | | | | | | | | | | | | 8 0 | 10 0 | 8 0 | |
| 9 6 | 9 6 | 9 6 | 4 4 0 | 4 4 0 | 4 4 0 | 5 0 | 7 8 | 5 0 | 6 0 | 6 0 | 6 0 | 20 0 | 15 0 | 20 0 | |
| M | | | | | | | | | | | | 10 0 | 10 0 | 10 0 | |
| 9 0 | 9 8 | 9 12 | 4 2 8 | 4 2 8 | 3 14 0 | 7 8 | 7 8 | 7 8 | 7 0 | 7 0 | 7 0 | 30 0 | 20 0 | 20 0 | |
| N | | | | | | | | | | | | 7 0 | 7 0 | 7 0 | |
| 8 11 | 8 11 | 9 2 | 3 15 0 | 3 15 0 | 3 15 0 | 5 0 | 5 0 | 5 0 | 6 0 | 6 0 | 6 0 | 20 0 | 20 0 | 20 0 | |
| O | | | | | | | | | | | | 15 0 | 15 0 | 15 0 | |
| 6 8 | 8 0 | 7 0 | 6 0 0 | 5 0 0 | 5 0 0 | 7 0 | 7 0 | 7 0 | 8 0 | 7 0 | 11 0 | 12 0 | 12 0 | 12 0 | |
| P | | | | | | | | | | | | 15 0 | 15 0 | 15 0 | |
| 9 0 | 9 0 | 9 0 | 4 4 0 | 4 2 0 | 4 2 0 | 7 8 | 7 8 | 7 8 | 9 0 | 9 0 | 9 0 | 20 0 | 20 0 | 20 0 | |
| (Eastern Districts.) | | | | | | | | | | | | | | | |
| P | | | | | | | | | | | | | | | |
| 9 8 | 9 8 | 10 0 | 4 2 0 | 4 2 0 | 3 15 0 | 6 0 | 6 0 | 6 0 | 8 0 | 7 0 | 7 0 | 8 0 | 10 0 | 8 0 | Dacca. |
| 10 0 | 10 0 | 9 0 | 3 14 0 | 3 14 0 | 4 0 0 | 10 0 | 10 0 | 10 0 | 12 0 | 12 0 | 12 0 | 20 0 | 20 0 | 20 0 | Furreedpore. |
| Q | | | | | | | | | | | | | | | |
| 10 0 | 10 8 | 10 0 | 4 0 0 | 3 15 0 | 3 14 0 | 9 8 | 7 8 | 9 8 | 6 0 | 6 0 | 6 0 | 12 0 | 10 0 | 12 0 | Backergunge. |
| R | | | | | | | | | | | | | | | |
| 9 8 | 9 8 | 9 12 | 4 2 0 | 4 2 0 | 4 0 0 | 9 0 | 7 8 | 7 8 | 6 0 | 6 0 | 6 0 | 13 0 | 13 0 | 13 0 | Mymensingh. |
| | | | | | | 10 0 | 9 0 | 9 0 | 7 0 | 7 0 | 7 0 | 30 0 | 30 0 | 30 0 | |

J At Thakurgaon retail price of salt 8 seers per rupee.

K In subdivisions retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

L In subdivisions retail prices of salt per rupee are:—Nilphamari 9 seers, Gaibanda 8 seers, and Kurigram 8 seers.

M At Serajgunge retail price of salt 10 seers per rupee.

N At Siliguri wholesale price of salt Rs. 4-4 per maund.

O In Alipore subdivision (at Pallantia) retail price of salt 8 seers per rupee.

P In subdivisions retail prices of salt per rupee are:—Manikgungo 8 seers, Moonsheegungo 8 seers 14 chittacks, and Narain-gungo 10 seers.

Q In subdivisions retail prices of salt per rupee are:—Patuakhali 9 seers, Perozapore 9 seers.

R In subdivisions retail prices of salt per rupee are:—Kishoregungo 8 seers, Tangail 10 seers, Jamalpore 10 seers, Sherpore 8 seers, and Notrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

| Number. | | DISTRICTS. | QUANTITIES PER RUPEE IN | | | | | | | | | | | | | | | | | |
|------------------------------|--|------------|-------------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------------------------|------------------------|------------------------------------|--------|--|--|
| | | | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | | JOWAR OR CHOLU. (Sorghum Vulgare.) | | | | | |
| | | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | |
| Eastern Districts—concluded. | | | | | | | | | | | | | | | | | | | | |
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | | |
| 22 | Chittagong ... | 11 0 | 11 0 | 10 0 | ... | ... | ... | 12 0 | 12 0 | 10 0 | 15 0 | 15 0 | 12 8 | ... | ... | ... | ... | ... | | |
| 23 | Noakholly* ... | ... | ... | ... | ... | ... | ... | 14 0 | 12 0 | ... | 15 0 | 14 0 | ... | ... | ... | ... | ... | ... | | |
| 24 | Tipperah ... | 14 1† | 13 14‡ | 12 0 | ... | ... | ... | 8 14 | 10 0 | 13 0 | 13 14 | 13 14 | 14 0 | ... | ... | ... | ... | ... | | |
| 25 | Chittagong Hill Tracts. Hill Tipperah. | ... | ... | ... | ... | ... | ... | 11 0 | 10 10‡ | 9 4 | 12 5 | 11 6‡ | 10 0 | ... | ... | ... | ... | ... | | |
| | | 6 0 | 6 0 | 6 0 | ... | ... | ... | 8 0 | 8 0 | 8 0 | 15 0 | 15 0 | 12 0 | ... | ... | ... | ... | ... | | |
| 26 | BEHAR. Patna ... | { 17 12 | Red. 17 4 | ... | { 24 8 | 23 8 | 21 0 | 10 8 | 10 8 | 10 0 | 16 12 | 16 7 | 13 8 | 19 0 | 22 0 | 17 0 | ... | ... | | |
| 27 | Gya ... | { 16 12 | White. 16 4 | 16 0 | { 20 0 | 22 0 | 18 0 | 10 0 | 11 8 | 9 0 | 15 8 | 15 8 | 12 8 | ... | ... | ... | ... | ... | | |
| | | { 15 8 | 16 0 | 15 8 | { 20 0 | 22 0 | 18 0 | 10 0 | 11 8 | 9 0 | 15 8 | 15 8 | 12 8 | ... | ... | ... | ... | ... | | |
| 28 | Shahabad ... | 15 8 | 16 0 | 14 0 | 21 0 | 20 0 | 17 0 | 8 0 | 9 0 | 9 0 | 15 0 | 14 0 | 12 8 | ... | ... | ... | ... | ... | | |
| 29 | Durbhunga ... | 15 6 | 15 6 | 15 5 | 19 12 | 20 14 | 18 8 | 12 0 | 13 0 | 9 2 | 15 6 | 15 6 | 13 6 | 20 14 | ... | ... | ... | ... | | |
| 30 | Muzafferpore ... | 17 0 | 17 0 | 14 0 | 21 0 | 22 0 | 16 0 | 11 0 | 9 0 | 9 0 | 15 0 | 14 0 | 11 0 | ... | ... | ... | ... | ... | | |
| 31 | Saran ... | 16 4 | 16 4 | 14 8 | 21 8 | 21 4 | 17 8 | 8 8 | 8 8 | 8 4 | 14 0 | 14 8 | 11 2 | ... | ... | ... | ... | ... | | |
| 32 | Chumpan ... | 17 0 | 17 0 | 13 8 | 25 0 | 23 0 | 15 8 | 8 0 | 8 0 | 8 0 | 14 12 | 15 0 | 19 0 | ... | ... | ... | ... | ... | | |
| 33 | Monghyr ... | 18 6 | 18 0 | 16 12 | 23 1 | 22 0 | 17 14 | 13 2 | 12 9 | 10 8 | 15 12 | 15 12 | 11 14 | ... | ... | ... | ... | ... | | |
| 34 | Bhagulpore ... | 17 11 | 17 11 | 15 12 | 21 7 | 21 7 | 17 10 | { 10 11 | Old. 10 1 | { 10 11 | Old. 13 14 | 13 14 | 12 10 | ... | ... | ... | ... | ... | | |
| | | | | | | | | { 13 0 | New. 12 10 | { 17 0 | 16 8 | ... | ... | ... | ... | ... | ... | ... | | |
| 35 | Purneah ... | 18 0 | 18 0 | 14 0 | ... | ... | ... | 15 0 | 15 0 | 11 0 | 18 0 | 17 0 | 13 0 | ... | ... | ... | ... | ... | | |
| 36 | Maldah ... | 19 0 | 18 8 | 15 8 | ... | ... | ... | 12 0 | 12 0 | 10 0 | 15 0 | 14 0 | 12 8 | ... | ... | ... | ... | ... | | |
| 37 | Sonthal Perga. ... | 14 0 | 14 0 | 12 8 | ... | ... | ... | 13 0 | 13 0 | 12 8 | 16 0 | 16 0 | 14 8 | ... | ... | ... | ... | ... | | |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| 38 | Cuttack ... | 15 12 | 14 7 | 11 13 | ... | ... | ... | 10 8 | 10 8 | 10 8 | 17 1 | 15 12 | 14 7 | ... | ... | ... | ... | ... | | |
| 39 | Pooree ... | 10 8 | 10 8 | 9 5 | ... | ... | ... | 11 13 | 13 2 | 10 8 | 17 1 | 17 1 | 14 7 | ... | ... | ... | ... | ... | | |
| 40 | Balasore ... | 15 0 | 15 0 | 16 0 | 18 0 | 18 0 | 13 0 | 12 0 | 11 0 | 13 0 | 19 0 | 16 0 | 17 0 | ... | ... | ... | ... | ... | | |
| CHOTA NAGPORE. | | | | | | | | | | | | | | | | | | | | |
| South-West Frontier Agency. | | | | | | | | | | | | | | | | | | | | |
| 41 | Hazaribagh ... | { 15 0 | 14 0 | { 12 0 | 18 0 | 18 0 | ... | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | ... | ... | | |
| | | { 14 0 | 16 0 | { 12 0 | 18 0 | 18 0 | ... | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | ... | ... | | |
| 42 | Lohardugga ... | { 13 12 | Red. 14 0 | 10 12 | { 15 0 | ... | 8 8 | 14 0 | 14 0 | 12 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | ... | ... | | |
| | | { 8 0 | White. 8 0 | 8 0 | { 15 0 | ... | 8 8 | 14 0 | 14 0 | 12 0 | 16 0 | 16 0 | 14 0 | ... | ... | ... | ... | ... | | |
| 43 | Singbhoom ... | { 10 8 | 8 0 | 8 0 | { 16 0 | 20 0 | 20 0 | 16 0 | 16 0 | 16 0 | 20 0 | 18 0 | 20 0 | ... | ... | ... | ... | ... | | |
| | | { 10 0 | 12 0 | 10 0 | { 16 0 | 20 0 | 20 0 | 16 0 | 16 0 | 16 0 | 20 0 | 18 0 | 20 0 | ... | ... | ... | ... | ... | | |
| 44 | Manbhoom ... | 13 0 | 14 0 | 12 0 | ... | ... | ... | 12 0 | 12 0 | 11 8 | 17 0 | 18 0 | 14 0 | ... | ... | ... | ... | ... | | |

* Present return not received.

† Price of common rice at Jajpore and Kendrapara 21 seers per rupee.

‡ Ditto in the Khosia subdivision 20½ seers per rupee.

§ At Cox's Bazar retail price of salt 8 seers per rupee.

T In subdivisions retail prices of salt per rupee are:—Aurangabad 9½ seers and Nowadah 8½ seers.

U In subdivisions retail prices of salt per rupee are:—Buxar 10 seers, Samorim 10½ seers, and Bhambah 9½ seers.

V In subdivisions retail prices of salt per rupee are:—Madhubani 10 seers and Sonastipore 11 seers.

| INDIAN-CORN OR MAIZE. (Zea Mays.) | | | ARHAR OR TURU. CADJAN PEA. (Cajanus indicus.) | | | PINEWOOD. | | |
|---|--------|--------|---|--------|--------|---------------------------------------|--------|--------|
| Present return. | | | Present return. | | | Present return. | | |
| Next preceding return. | | | Next preceding return. | | | Next preceding return. | | |
| Corresponding return of last year. | | | Corresponding return of last year. | | | Corresponding return of last year. | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| ... | ... | ... | ... | ... | ... | 110 0 | 110 0 | 100 0 |
| ... | ... | ... | ... | 8 0 | 8 0 | ... | ... | ... |
| ... | ... | ... | 6 02 | 8 0 | 9 0 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... | 820 0 | 820 0 | 920 0 |
| ... | ... | ... | 8 0 | 8 0 | 8 0 | ... | ... | ... |

| | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|
| ... | ... | 15 0 | 20 0 | 22 8 | 21 0 | 120 0 | 120 0 | 180 0 |
| ... | ... | ... | 20 0 | 20 0 | 17 0 | 200 0 | 200 0 | 300 0 |
| ... | ... | ... | 20 0 | 20 0 | 13 0 | 120 0 | 120 0 | 120 0 |
| 22 0 | 22 0 | ... | 20 14 | 20 14 | 18 4 | 160 0 | 180 0 | 140 0 |
| 10 0 | 20 0 | 16 0 | 20 0 | 21 0 | 18 0 | 160 0 | 160 0 | 160 0 |
| ... | ... | 17 4 | 21 4 | 21 4 | 10 12 | 160 0 | 160 0 | 160 0 |
| ... | ... | 16 0 | 21 0 | 21 0 | 16 8 | 160 0 | 160 0 | 160 0 |
| ... | ... | 21 0 | 21 0 | 21 0 | 17 13 | 147 0 | 168 0 | 128 0 |
| 24 0 | 22 11 | 17 10 | 20 8 | 21 7 | 17 10 | 128 4 | 128 4 | 164 0 |
| ... | ... | ... | 16 0 | 16 0 | ... | 180 0 | 180 0 | 120 0 |
| ... | ... | ... | ... | ... | ... | 160 0 | 120 0 | 160 0 |
| 20 0 | 20 0 | 16 0 | 21 0 | 21 0 | 19 0 | 200 0 | 300 0 | 200 0 |

| | | | | | | | | |
|-----|-----|-----|------|------|-------|-------|-------|-------|
| ... | ... | ... | 22 5 | 21 0 | 16 12 | 80 0 | 80 0 | 80 0 |
| ... | ... | ... | 13 2 | 18 2 | 14 7 | 80 0 | 80 0 | 80 0 |
| ... | ... | ... | ... | ... | ... | 160 0 | 160 0 | 160 0 |

| | | | | | | | | |
|------|------|------|------|------|------|-------|-------|-------|
| 21 8 | 28 0 | 16 0 | 21 0 | 20 0 | 15 0 | 280 0 | 280 0 | 380 0 |
| 10 0 | ... | 17 | 14 0 | 20 0 | 12 4 | 120 0 | 120 0 | 140 0 |
| 20 0 | 20 0 | 20 0 | 18 8 | 27 0 | 14 8 | 240 0 | 240 0 | 200 0 |
| ... | ... | ... | 17 0 | 18 0 | 14 0 | 300 0 | 300 0 | 200 0 |

Station Bazars of the Districts of Bengal on the 31st July, 1890—(concluded).

| SALT. | | | WHOLESALE PRICES PER MAUND OF 40 SEERS. | | | AVERAGE WAGES PER MONTH. | | | | | | | | | DISTRICTS. |
|-----------------|------------------------------|---------------------------------------|---|------------------------------|---------------------------------------|--|------------------------|---------------------------------------|---------------------------|------------------------|---------------------------------------|---|------------------------|---------------------------------------|------------|
| SALT. | | | SALT. | | | ABLE-BODIED AGRICULTURAL LABOURER. | | | STCC OR HORSE- KEEPER. | | | COMMON MASON, CARPENTER, OR BLACKSMITH. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |

| Eastern Districts—concluded. | | | | | | | | | | | | | | | DISTRICTS. |
|------------------------------|--------|--------|-----------|-----------|-----------|--------|--------|--------|-----------------|--------|--------|--------|--------|--------|-------------------------|
| S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | Rs. A. | |
| 9 0 | 9 0 | 10 0 | 3 14 0 | 3 14 0 | 3 14 0 | 9 0 | 10 8 | 8 0 | 7 0 | 8 0 | 8 0 | 12 0 | 9 8 | 9 4 | Chittagong. |
| | 9 0 | 9 0 | | 4 8 0 | 4 0 0 | 4 0 | 7 0 | 6 0 | 5 0 | 5 0 | 5 0 | 5 0 | 12 0 | 12 0 | Noakholly. |
| 9 6 | 9 11 | 9 0 | 4 4 0 | 4 2 0 | 4 4 0 | 10 0 | 10 0 | 10 0 | 6 0 | 7 0 | 7 0 | 8 0 | 10 0 | 14 0 | Tipperah. |
| 8 0 | 8 0 | 8 0 | 4 8 0 | 4 8 0 | 5 0 0 | 12 0 | 12 0 | 12 0 | Not procurable. | | | 20 0 | 20 0 | 20 0 | Chittagong Hill Tracts. |
| 8 0 | 8 0 | 8 0 | 4 6 0 | 4 6 0 | 4 6 0 | 8 0 | 8 0 | 8 0 | 6 0 | 6 0 | 6 0 | 16 0 | 16 0 | 16 0 | Hill Tipperah. |
| BEHAR. | | | | | | | | | | | | | | | DISTRICTS. |
| 10 0 | 10 0 | 9 8 | 3 11 6 | 3 13 0 | 3 12 6 | 4 0 | 4 0 | 4 0 | 4 8 | 4 8 | 4 8 | 7 0 | 7 0 | 7 0 | |
| T | 9 0 | 9 2 | 4 1 0 | 4 1 0 | 4 2 0 | 3 0 | 3 0 | 3 0 | 3 0 | 3 0 | 3 0 | 8 0 | 8 0 | 8 0 | Patna. |
| U | 10 0 | 10 0 | 3 15 0 | 3 15 0 | 3 15 0 | 5 0 | 5 0 | 5 0 | 4 0 | 4 0 | 4 0 | 6 0 | 6 0 | 6 0 | Gya. |
| V | 11 0 | 11 0 | 3 8 0 | 3 8 0 | 3 11 8 | 3 12 | 3 12 | 3 12 | 3 0 | 3 0 | 3 0 | 3 12 | 3 12 | 3 12 | Shahabad. |
| W | 10 0 | 10 0 | 4 0 0 | 4 0 0 | 3 12 0 | 3 12 | 3 12 | 3 12 | 3 0 | 3 0 | 3 0 | 4 0 | 4 0 | 4 0 | Durbhunga. |
| X | 10 0 | 10 0 | 4 0 0 | 3 14 6 | 3 14 0 | 3 12 | 3 12 | 3 12 | 4 0 | 4 0 | 4 0 | 6 0 | 6 0 | 6 0 | Mosufferpore. |
| Y | 9 7 | 9 15 | 3 10 0 | 3 13 0 | 4 2 0 | 4 11 | 4 11 | 4 11 | 4 0 | 4 0 | 4 0 | 5 10 | 5 10 | 5 10 | Saran. |
| Z | 9 0 | 9 0 | 4 7 0 | 4 7 0 | ..... | 5 10 | 5 10 | 5 10 | 4 0 | 4 0 | 4 0 | 5 0 | 5 0 | 5 0 | Champaran. |
| 9 0 | 9 8 | 9 0 | 4 2 0 | 4 1 0 | 4 7 0 | 7 8 | 7 8 | 7 8 | 5 0 | 5 0 | 5 0 | 8 0 | 8 0 | 8 0 | Monghyr. |
| 9 8 | 9 8 | 9 0 | 3 16 0 | 3 14 0 | 4 3 0 | 3 12 | 3 12 | 3 12 | 5 0 | 5 0 | 5 0 | 7 8 | 7 8 | 7 8 | Bhagulpore. |
| ORISSA. | | | | | | | | | | | | | | | DISTRICTS. |
| 8 0 | 8 0 | 11 0 | 4 7 0 | 4 7 0 | 3 12 0 | 5 0 | 5 0 | 5 0 | 4 8 | 4 8 | 4 8 | 6 0 | 6 0 | 6 0 | |
| Z1 | 11 0 | 10 0 | 3 7 0 | 3 7 0 | 3 12 0 | 7 8 | 7 8 | 7 8 | 6 0 | 6 0 | 6 0 | 7 8 | 7 8 | 7 8 | Cuttack. |
| Z2 | 10 0 | 10 0 | 3 14 0 | 3 14 0 | 4 0 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 4 0 | 7 0 | 7 0 | 7 0 | Pooroo. |
| | | | | | | 5 0 | 5 0 | 5 0 | 6 0 | 6 0 | 6 0 | 10 0 | 10 0 | 10 0 | Balasore. |

CHOTA NAGPORE

South-West Frontier Agency.

| | | | | | | | | | | | | | | | |
|-----|------|-----|-------|--------|-------|-------|------|------|-----|-----|-----|------|------|------|-------------|
| 8 8 | 8 8 | 8 0 | 4 4 0 | 4 4 0 | 4 8 0 | 4 0 | 4 3 | 3 12 | 5 0 | 4 0 | 5 0 | 8 0 | 7 8 | 8 0 | Hasaribagh. |
| 9 0 | 8 12 | 7 8 | 4 8 0 | 5 4 0 | 3 12 | 3 12 | 3 12 | 3 12 | 5 0 | 6 0 | 6 0 | 9 6 | 14 1 | 14 1 | Lohardugga. |
| 9 0 | 8 0 | 7 0 | 4 8 0 | 4 12 0 | 5 8 0 | 3 0 | 3 0 | 3 0 | 4 0 | 4 0 | 4 0 | 12 0 | 12 0 | 12 0 | Singbhoom. |
| Z3 | 9 2 | 9 0 | 4 0 0 | 4 0 0 | 4 6 0 | 4 3 0 | 4 11 | 4 11 | 5 0 | 5 0 | 5 0 | 9 6 | 13 2 | 13 2 | Manbhoos. |

W In subdivisions retail prices of salt per rupee are:—Hajipore 9½ seers and Sitamarhi 10 seers.

X At Bettiah retail price of salt 10½ seers per rupee.

Y In subdivisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.

Z In subdivisions retail prices of salt per rupee are:—Kishengunge 8 seers and Arrah (at Raneeunge) 10 seers.

Z1 In the Khoorda subdivision retail price of salt 9 seers 6 chittacks per rupee.

Z2 At Bhadrach retail price of salt 9 seers per rupee.

Z3 At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

F. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

| Number. | NARTS. | WHEAT. | | | BARLEY. | | | RICE, BEST SORT. | | | RICE, COMMON. | | |
|---------|-----------------|-----------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|------------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| 1 | Calcutta ... | 2 11 8 | 2 11 2 | 2 14 4 | 2 0 7 | 2 1 1 | 2 3 0 | 3 14 4 | 4 3 10 | 4 5 10 | 2 11 4 | 2 13 1 | 2 14 4 |
| 2 | Serajgunge ... | 2 2 0 | 2 1 0 | 2 1 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 3 13 0 | 2 8 0 | 2 12 0 | 2 7 0 |
| 3 | Dacca ... | 3 0 0 | 3 0 0 | 3 0 0 | 2 13 0 | 2 7 0 | 1 8 0 | 3 4 0 | 3 0 0 | 4 0 0 | 2 13 0 | 2 13 0 | 2 12 0 |
| 4 | Naraingunge ... | ... | ... | ... | ... | ... | ... | 2 13 0 | 3 0 0 | 3 0 0 | 2 9 0 | 2 14 0 | 2 12 0 |
| 5 | Chittagong ... | 3 8 0 | 3 8 0 | 3 12 0 | ... | ... | ... | 3 4 0 | 3 4 0 | 4 0 0 | 2 10 0 | 2 10 0 | 3 0 0 |
| 6 | Patna ... | 2 3 6 | 2 4 6 | ... | 1 9 6 | 1 10 6 | 1 13 6 | 3 12 0 | 3 12 0 | 3 14 0 | 3 5 6 | 2 6 0 | 2 14 6 |
| | | 2 5 6 | 2 6 6 | 2 7 0 | | | | | | | | | |
| 7 | Balnore ... | 2 8 0 | 2 8 0 | 2 6 0 | 3 0 0 | 3 0 0 | 3 0 0 | 3 4 0 | 3 8 0 | 3 0 0 | 3 0 0 | 3 6 0 | 2 5 0 |
| 8 | Poorce ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 4 0 | 2 4 0 | 2 6 0 |
| 9 | Cuttack ... | 3 5 0 | 3 10 0 | 3 4 0 | ... | ... | ... | 3 10 0 | 3 10 0 | 3 10 0 | 2 2 0 | 3 5 0 | 3 10 0 |

CALCUTTA,
The 12th August, 1890.

PRICES PER MAUND

| JOWAR OR CHOLU. (<i>Sorghum Vulgare</i> .) | | | BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .) | | |
|--|------------------------|------------------------------------|---|------------------------|------------------------------------|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| R.A.P. | R.A.P. | R.A.P. | R.A.P. | R.A.P. | R.A.P. |
| 1 13 51 | 14 1 | ... | 2 12 12 | 14 03 | 4 0 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| 2 1 01 | 12 02 | 5 3 | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |

OF 40 SEERS.

| MARUA OR RAOL (<i>Eleusine Corocana</i> .) | | | KANGNI OR KAKUM, ITALIAN MILLET. (<i>Setaria italica</i> .) | | |
|--|------------------------|---------------------------------------|--|------------------------|---------------------------------------|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. |
| ... | ... | ... | 4 4 04 | 0 102 | 0 0 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| 180 | 180 | ... | 2 3 02 | 1 03 | 0 0 |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... | ... |

in the undermentioned *Marts* of Bengal on the 31st July, 1890.

| GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (<i>Vicia Aridinum.</i>) | | | INDIAN-CORN OR MAIZE. (<i>Zea Mays.</i>) | | | ARRAR OR THUR. CADJAN PEA. (<i>Cajanus indicus.</i>) | | | FIRWOOD. | | | SALT. | | | MARTS. |
|--|------------------------|------------------------------------|---|------------------------|------------------------------------|--|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|-----------------|------------------------|------------------------------------|--------------|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | R. A. P. | |
| 2 0 6 | 2 1 3 | 2 6 10 | 1 13 0 | 1 14 2 | ... | 2 2 8 | 2 1 7 | 2 2 10 | 0 5 9 | 0 5 9 | 0 5 6 | 3 9 3 | 3 9 4 | 3 8 0 | Calcutta. |
| 2 6 0 | 2 8 0 | 2 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 12 0 | 3 14 0 | Berajunge. |
| 3 0 0 | 3 0 0 | 2 12 0 | ... | ... | ... | 3 4 0 | 3 0 0 | 2 6 0 | 0 6 0 | 0 4 0 | 0 4 0 | 0 4 0 | 0 4 2 | 0 3 15 0 | Dacca. |
| 3 6 0 | 4 0 0 | 2 8 0 | ... | ... | ... | 3 9 0 | 3 12 0 | 3 12 0 | 0 8 0 | 0 8 0 | 0 10 0 | 3 13 0 | 3 13 0 | 3 12 0 | Naraingunge. |
| 3 4 0 | 3 4 0 | 3 4 0 | ... | ... | ... | ... | ... | ... | 0 5 4 | 0 5 4 | 0 7 0 | 3 14 0 | 3 14 0 | 3 14 0 | Chittagong. |
| 1 13 0 | 1 13 0 | 1 15 0 | ... | ... | 2 1 6 | 1 11 6 | 1 11 6 | 1 13 6 | 0 6 6 | 0 5 6 | 0 5 0 | 3 11 6 | 3 13 0 | 3 12 6 | Patna. |
| 2 12 0 | 2 12 0 | 2 12 0 | ... | ... | ... | ... | ... | ... | 0 4 6 | 0 4 6 | 0 4 6 | 3 14 0 | 3 14 0 | 4 0 0 | Balasore. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 7 0 | 3 7 0 | 3 12 0 | Pooree. |
| 2 10 0 | 2 10 0 | 2 2 0 | ... | ... | ... | 1 10 0 | 1 11 0 | 2 5 0 | 0 8 0 | 0 8 0 | 0 8 0 | 4 7 0 | 4 7 0 | 3 12 0 | Cuttack. |

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of

| METEOROLOGICAL DIVISION. | | | STATION OBSERVATIONS. | | | | | | | | | | | | | | | | |
|--------------------------|-------------------------------------|------------------|--|---|--------------------------|----------------------------|-----------------------------|-------------------|------------------|---------------------------------|---------------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|---------------------------|------------------------------------|-------|-----------|
| | | | AIR PRESSURE. | | | | | | TEMPERATURE. | | | | | | HUMIDITY. | | CLOUD. | | Rainfall. |
| | | | Highest, 8 A.M., barometer reading of month. | Lowest, 8 A.M., barometer reading of month. | Mean, 8 A.M., for month. | Mean reduced to sea-level. | Variation from normal mean. | Highest of month. | Lowest of month. | Mean daily maximum temperature. | Mean daily minimum temperature. | Mean daily temperature. | Variation from normal mean. | Mean, 8 A.M., humidity. | Variation from normal mean. | Mean cloud amount, 8 A.M. | Variation from normal mean, 8 A.M. | | |
| OISSA. | Pooree | Pooree | 29.709 | 29.413 | 29.566 | 29.608 | — | 83.7 | 75.6 | 87.02 | 79.32 | 83.52 | — | 87 | — | 8.6 | — | 14.11 | |
| | Conalpoore | Conalpoore | 29.740 | 29.474 | 29.547 | 29.600 | +0.90 | 80.2 | 75.8 | 85.2 | 79.3 | 82.3 | —0.7 | 81 | — | 6.1 | — | 7.76 | |
| | False Point | False Point | 29.770 | 29.368 | 29.579 | 29.601 | —0.13 | 84.5 | 78.1 | 86.4 | 77.4 | 81.0 | —1.1 | 87 | —1 | 4.0 | +0.8 | 12.27 | |
| | Cuttack | Cuttack | 29.739 | 29.376 | 29.556 | 29.607 | +0.04 | 84.9 | 73.3 | 88.3 | 77.0 | 83.1 | —1.1 | 80 | —1 | 8.8 | +1.2 | 13.85 | |
| BALASORE. | Balasore | Balasore | 29.667 | 29.408 | 29.624 | 29.583 | —0.17 | 84.3 | 78.8 | 87.5 | 78.8 | 83.1 | +0.1 | 85 | — | 5.9 | — | 6.29 | |
| | Saugor Island | Saugor Island | 29.764 | 29.407 | 29.586 | 29.586 | —0.09 | 91.3 | 76.0 | 86.6 | 80.3 | 83.0 | —0.5 | 88 | —2 | 9.6 | +1.3 | 8.97 | |
| | Midnapore | Midnapore | 29.034 | 29.304 | 29.432 | 29.582 | —0.17 | 96.3 | 73.1 | 89.2 | 78.0 | 83.6 | —0.1 | 83 | — | 4.1 | — | 6.09 | |
| | 24-Pergunnahs, Howrah, and Hooghly. | Calcutta | 29.788 | 29.444 | 29.560 | 29.582 | —0.09 | 90.0 | 75.2 | 87.3 | 77.3 | 82.5 | —0.8 | 88 | +1 | 8.8 | —0.9 | 9.29 | |
| SOUTH-WEST BENGAL. | Burdwan | Burdwan | 29.635 | 29.346 | 29.485 | 29.503 | —0.23 | 94.1 | 76.9 | 86.6 | 79.1 | 84.4 | —0.5 | 85 | 0 | 5.3 | —3.3 | 18.33 | |
| | Bankoora | Bankoora | 29.430 | 29.134 | 29.284 | 29.554 | —0.13 | 96.1 | 75.6 | 88.8 | 77.7 | 83.3 | —0.6 | 87 | — | 7.9 | — | 20.84 | |
| | West Burdwan | Ranigunge | 29.426 | 29.146 | 29.283 | 29.595 | +0.10 | 95.6 | 76.4 | 88.9 | 77.8 | 83.4 | —0.7 | 83 | — | 8.1 | — | 13.47 | |
| | Beerbhoom | Beerbhoom | 29.607 | 29.413 | 29.506 | 29.573 | —0.23 | 92.7 | 74.3 | 88.5 | 77.4 | 83.0 | —1.1 | 93 | +7 | 9.8 | 0 | 20.50 | |
| MOORSHEDABAD. | Moorshedabad | Berhampore | 29.707 | 29.413 | 29.506 | 29.573 | —0.23 | 92.7 | 74.3 | 88.5 | 77.4 | 83.0 | —1.1 | 93 | +7 | 9.8 | 0 | 20.50 | |
| | Nuddea | Krishnagore | 29.721 | 29.427 | 29.539 | 29.577 | —0.08 | 91.3 | 74.2 | 89.02 | 77.02 | 83.52 | —0.6 | 86 | — | 8.4 | — | 10.82 | |
| | Jessore and Khoolna | Jessore | 29.745 | 29.447 | 29.556 | 29.593 | —0.17 | 92.3 | 76.4 | 85.5 | 78.6 | 83.6 | —0.7 | 91 | 0 | 9.2 | 0 | 9.10 | |
| | Chittagong | Chittagong | 29.767 | 29.507 | 29.582 | 29.672 | 0 | 91.2 | 70.0 | 86.4 | 74.41 | 80.61 | —0.4 | 91 | +3 | 7.9 | 0 | 4.83 | |
| CHITTAGONG HILL TRACTS. | Chittagong Hill Tracts | Demagiri | Observations not received. | | | | | | | | | | | | | | | | |
| | Backergunge | Barrisal | 29.780 | 29.498 | 29.602 | 29.614 | +0.01 | 89.8 | 71.9 | 85.7 | 77.51 | 81.61 | —0.2 | 82 | — | 8.7 | — | 19.66 | |
| | Noakholly | Noakholly | 29.760 | 29.474 | 29.609 | 29.653 | 0 | 89.0 | 73.8 | 84.8 | 76.4 | 80.5 | —0.9 | 90 | — | 4.8 | — | 25.24 | |
| | Furzedpore | Furzedpore | 29.746 | 29.482 | 29.674 | 29.614 | —0.04 | 90.0 | 76.4 | 86.4 | 78.4 | 83.4 | —0.4 | 90 | — | 7.0 | — | 10.53 | |
| Dacca. | Dacca | Dacca | 29.783 | 29.498 | 29.583 | 29.606 | —0.19 | 91.1 | 74.0 | 86.6 | 77.1 | 81.9 | —2.0 | 92 | +3 | 9.2 | +1.3 | 17.01 | |
| | Tipperah | Comillah | 29.700 | 29.478 | 29.582 | 29.628 | —0.13 | 91.3 | 75.8 | 86.3 | 76.0 | 81.3 | —0.9 | 90 | — | 7.2 | — | 21.36 | |
| | Mymensingh | Mymensingh | 29.717 | 29.413 | 29.551 | 29.609 | —0.24 | 91.7 | 75.6 | 85.4 | 77.6 | 81.5 | —1.4 | 93 | — | 8.2 | — | 19.71 | |
| | Mogra | Bogra | 29.691 | 29.386 | 29.513 | 29.576 | —0.10 | 93.8 | 70.1 | 88.2 | 78.0 | 83.1 | —0.8 | 89 | — | 6.5 | — | 13.77 | |
| NORTH BENGAL. | Pubna | Serajgunge | 29.737 | 29.435 | 29.547 | 29.604 | —0.21 | 92.7 | 75.7 | 86.9 | 77.9 | 82.4 | —1.0 | 92 | — | 8.2 | — | 5.88 | |
| | Rajshahye | Rampore Beaulah. | 29.697 | 29.414 | 29.503 | 29.577 | —0.06 | 91.8 | 74.0 | 87.4 | 77.0 | 82.7 | —1.0 | 89 | — | 3.7 | — | 22.42 | |
| | Maldah | Maldah | 29.674 | 29.373 | 29.491 | 29.571 | — | 94.7 | 75.9 | 89.22 | 78.62 | 83.92 | — | 80 | — | 5.4 | — | 9.84 | |
| | Dinagopore | Dinagopore | 29.637 | 29.350 | 29.455 | 29.578 | —0.60 | 94.6 | 78.1 | 88.0 | 79.7 | 83.9 | —0.4 | 90 | — | 9.0 | — | 17.33 | |
| RANGPORE. | Rangpore | Rangpore | 29.637 | 29.333 | 29.463 | 29.607 | —0.22 | 95.8 | 74.7 | 88.2 | 77.9 | 83.1 | —1.0 | 86 | — | 4.2 | — | 13.21 | |
| | Julpigoree and Oooch Behar. | Julpigoree | 29.470 | 29.159 | 29.316 | 29.590 | —0.00 | 90.9 | 74.1 | 86.9 | 75.9 | 81.4 | —1.3 | 95 | — | 3.1 | — | 41.00 | |
| | Darjeeling Hill Tracts | Darjeeling | 22.988 | 22.721 | 22.840 | — | —0.43 | 70.6 | 65.6 | 66.2 | 57.3 | 61.2 | —0.6 | 98 | +4 | 9.2 | +0.4 | 20.43 | |
| | Purneah and North Bhagulpore. | Purneah | 29.610 | 29.310 | 29.442 | 29.569 | —0.78 | 94.7 | 75.4 | 88.3 | 77.9 | 83.1 | —1.5 | 90 | +2 | 8.8 | +1.3 | 10.30 | |
| MOORSHEDABAD. | Moorshadpore | Moorshadpore | 29.576 | 29.263 | 29.350 | 29.538 | — | 94.3 | 75.2 | 87.5 | 78.0 | 83.2 | — | 83 | — | 6.8 | — | 35.91 | |
| | Durbhunga | Durbhunga | 29.594 | 29.281 | 29.392 | 29.569 | —0.32 | 94.9 | 76.6 | 87.9 | 77.9 | 83.9 | —1.0 | 88 | +4 | 7.7 | +1.1 | 22.54 | |
| | Ohumpanan | Motihari | 29.541 | 29.234 | 29.386 | 29.563 | —0.14 | 95.2 | 74.9 | 86.7 | 78.0 | 83.4 | —1.0 | 88 | — | 7.0 | — | 24.71 | |
| | Baran | Chupra | 29.549 | 29.279 | 29.344 | 29.527 | —0.32 | 95.3 | 74.0 | 87.82 | 78.3 | 83.12 | —2.1 | 80 | — | 5.4 | — | 20.00 | |
| SHAHABAD. | Shahabad | Dehree | 29.596 | 29.102 | 29.301 | 29.535 | —0.15 | 94.3 | 70.0 | 87.12 | 77.02 | 82.02 | —0.7 | 83 | — | 7.4 | — | 12.93 | |
| | | Kunar | 29.607 | 29.215 | 29.345 | 29.517 | —0.41 | 94.9 | 74.3 | 85.9 | 77.9 | 81.0 | —2.4 | 90 | — | 5.7 | — | 14.64 | |
| | | Arrah | 29.620 | 29.245 | 29.344 | 29.537 | —0.25 | 94.4 | 71.7 | 87.3 | 77.8 | 82.7 | —2.2 | 90 | — | 5.0 | — | 27.09 | |
| | Gya | Gya | 29.530 | 29.081 | 29.177 | 29.555 | —0.25 | 99.0 | 70.6 | 89.1 | 78.01 | 83.31 | —1.7 | 83 | +3 | 7.9 | —1.1 | 21.57 | |
| SOUTH BENGAL. | Patna | Bankipore | 29.663 | 29.257 | 29.359 | 29.542 | —0.43 | 96.0 | 75.2 | 87.8 | 78.8 | 83.3 | —1.0 | 88 | +0 | 9.3 | +1.0 | 17.41 | |
| | South Bhagulpore and Monghyr. | Bhagulpore | 29.587 | 29.273 | 29.387 | 29.540 | —0.24 | 95.2 | 76.0 | 88.3 | 78.5 | 83.4 | —1.1 | 88 | — | 8.0 | — | 17.76 | |
| | South Pergunnahs | Naya Doonke | 29.260 | 29.073 | 29.067 | 29.501 | —0.15 | 92.0 | 73.7 | 87.4 | 79.0 | 82.2 | —1.0 | 86 | — | 5.6 | — | 14.11 | |
| | Hazaribagh | Hazaribagh | 27.760 | 27.473 | 27.577 | 29.076 | —0.18 | 87.6 | 70.3 | 83.4 | 74.8 | 77.6 | —1.5 | 90 | +4 | 9.7 | +0.4 | 20.08 | |
| CHUTTA NAGPUR. | Lehardunga | Kanchee | 27.654 | 27.363 | 27.457 | 29.074 | —0.17 | 87.6 | 69.4 | 83.2 | 71.7 | 77.0 | —1.2 | 86 | — | 0.1 | — | 14.00 | |
| | Munshoom | Chyebas | 29.024 | 28.684 | 28.811 | 29.076 | +0.08 | 92.9 | 73.7 | 88.4 | 77.0 | 82.6 | —0.5 | 83 | — | 8.4 | — | 4.73 | |
| | Singbhoom | Singbhoom | 29.428 | 29.107 | 29.319 | 29.653 | —0.18 | 97.1 | 73.3 | 85.7 | 77.3 | 84.1 | —1.4 | 94 | +3 | 9.7 | +0.3 | 21.75 | |
| | Assam | Assam | 29.661 | 29.345 | 29.480 | 29.641 | —0.17 | 89.2 | 75.6 | 85.1 | 77.42 | 81.32 | —2.0 | 92 | +4 | 9.2 | +1.0 | 10.65 | |
| AMMAN. | Assam | Assam | 29.707 | 29.423 | 29.551 | 29.657 | —0.11 | 94.3 | 74.3 | 88.9 | 76.0 | 82.8 | —0.9 | 90 | +4 | 9.4 | +1.4 | 17.15 | |

* Mean of 25 days.

† .. 20 ..

‡ .. 30 ..

engal for the month of July 1890.

| DISTRICT OBSERVATIONS. | | | | | | | | | | | Representative station. | DISTRICT. | METEOROLOGICAL DIVISION. |
|------------------------|--------------|----------------------|-----------------------|-----------------------------------|----------------------|--------------|------------|----------------------------|-----------------------------------|----------------------------------|---|--------------------|--------------------------|
| RAINFALL. | | | | | | | | | | | | | |
| Of month. | | | | | Since 15th May 1890. | | | | | | | | |
| Mean of District. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. | | | | |
| 16'06 | 11'39 | +4'07 | 19'3 | 18'1 | 28'16 | 22'12 | +6'03 | 40'1 | 33'6 | Pooree Gopalpore False Point ... | Pooree ... | ORISSA. | |
| 14'70 | 12'23 | +2'47 | 19'4 | 17'9 | 27'08 | 21'23 | +5'85 | 39'6 | 34'1 | Cuttack ... | Cuttack ... | | |
| 7'16 | 13'01 | -5'85 | 13'7 | 17'7 | 24'19 | 23'28 | +0'91 | 37'7 | 33'9 | Balasore ... | Balasore ... | | |
| 7'36 | 16'46 | -9'10 | 17'0 | 20'1 | 24'24 | 27'22 | -3'28 | 41'7 | 38'3 | Saugor Island ... | South West Midnapore and South 24-Pergunnahs. | SOUTH-WEST BENGAL. | |
| 9'30 | 12'78 | -3'48 | 18'3 | 17'5 | 29'73 | 24'33 | +5'41 | 43'6 | 34'0 | Midnapore ... | Midnapore ... | | |
| 9'03 | 12'44 | -3'41 | 19'7 | 21'8 | 28'31 | 24'23 | +4'08 | 42'5 | 40'1 | Calcutta ... | 24-Pergunnahs, Howrah, and Hooghly. | | |
| 14'44 | 10'28 | +4'16 | 19'7 | 17'9 | 27'66 | 22'06 | +5'60 | 42'7 | 33'7 | Burdwan ... | Burdwan ... | SOUTH-WEST BENGAL. | |
| 14'17 | 13'30 | +0'87 | 20'8 | 20'2 | 28'84 | 25'48 | +2'36 | 43'3 | 38'3 | Bankura ... | Bankura ... | | |
| 16'00 | 12'94 | +3'06 | 23'6 | 20'8 | 34'00 | 25'01 | +8'99 | 46'9 | 39'8 | Ranigunge ... | West Burdwan and Boorbhoom. | | |
| 17'09 | 10'83 | +6'26 | 23'8 | 18'9 | 31'09 | 23'16 | +7'93 | 41'0 | 37'3 | Berhampore ... | Moorsheadabad ... | SOUTH-WEST BENGAL. | |
| 11'59 | 14'24 | -2'25 | 19'8 | 18'1 | 27'50 | 23'47 | +4'03 | 43'4 | 37'9 | Krishnagore ... | Nuddea ... | | |
| 11'63 | 11'19 | +0'44 | 23'9 | 20'3 | 30'94 | 26'88 | +4'06 | 48'2 | 42'3 | Jessore ... | Jessore and Khoolna ... | | |
| 49'20 | 31'08 | +18'12 | 20'8 | 23'6 | 77'96 | 65'07 | +12'89 | 59'5 | 62'0 | Chittagong ... | Chittagong ... | EAST BENGAL. | |
| 22'71 | 17'40 | +5'31 | 25'3 | 24'5 | 43'36 | 41'06 | +2'30 | 52'0 | 62'5 | Demagiri ... | Chittagong Hill Tracts. | | |
| 19'48 | 17'96 | +1'52 | 27'3 | 25'3 | 41'82 | 41'07 | +0'75 | 53'8 | 51'8 | Barrisal ... | Backergunge ... | | |
| 25'79 | 23'27 | +2'52 | 29'0 | 24'7 | 53'69 | 55'36 | -1'67 | 56'0 | 51'1 | Noakholly ... | Noakholly ... | EAST BENGAL. | |
| 11'14 | 11'00 | +0'14 | 23'0 | 20'2 | 28'75 | 24'70 | +4'05 | 45'0 | 43'5 | Furzedpore ... | Furzedpore ... | | |
| 14'00 | 14'08 | -0'08 | 26'5 | 20'8 | 36'80 | 31'27 | +5'53 | 51'0 | 45'3 | Dacca ... | Dacca ... | | |
| 16'30 | 13'63 | +2'67 | 24'0 | 21'8 | 37'45 | 34'52 | +2'93 | 49'3 | 47'3 | Comilla ... | Tipperah ... | EAST BENGAL. | |
| 17'04 | 13'20 | +3'84 | 28'6 | 19'9 | 46'38 | 33'81 | +12'57 | 50'8 | 44'0 | Mymensingh ... | Mymensingh ... | | |
| 18'47 | 12'75 | +5'72 | 23'0 | 17'6 | 34'19 | 30'12 | +4'07 | 47'8 | 38'8 | Sogra ... | Sogra ... | | |
| 10'41 | 10'37 | +0'04 | 25'0 | 18'1 | 27'27 | 25'68 | +1'59 | 46'5 | 40'1 | Serajgunge ... | Pubna ... | NORTH BENGAL. | |
| 19'07 | 11'35 | +7'72 | 24'3 | 17'5 | 41'84 | 33'95 | +7'89 | 47'0 | 36'6 | Rampore Beaulah ... | Rajshahye ... | | |
| 11'29 | 11'00 | +0'29 | 21'5 | 21'8 | 24'97 | 20'04 | +4'93 | 46'5 | 40'2 | Maldah ... | Maldah ... | | |
| 16'80 | 12'05 | +4'75 | 20'2 | 19'1 | 36'81 | 29'71 | +6'10 | 43'3 | 38'4 | Dinapore ... | Dinapore ... | NORTH BENGAL. | |
| 14'56 | 13'00 | +1'56 | 26'3 | 16'6 | 46'98 | 42'09 | +4'89 | 57'8 | 39'6 | Bungpore ... | Bungpore ... | | |
| 30'75 | 20'22 | +10'53 | 28'2 | 20'9 | 79'43 | 60'75 | +18'68 | 63'4 | 51'8 | Jalpigore ... | Jalpigore and Cooch Behar. | | |
| 50'22 | 32'70 | +17'52 | 29'6 | 26'0 | 97'04 | 67'90 | +29'14 | 69'3 | 57'8 | Darjeeling ... | Darjeeling Hill Tracts. | NORTH BENGAL. | |
| 23'04 | 12'76 | +9'28 | 12'9 | 18'0 | 41'48 | 28'31 | +13'17 | 44'0 | 33'3 | Purneah ... | Purneah and North Bhagulpore. | | |
| 20'20 | 11'42 | +8'78 | 21'3 | 14'7 | 30'34 | 20'20 | +10'14 | 38'3 | 25'7 | Mozufferpore ... | Mozufferpore ... | | |
| 12'54 | 11'39 | +1'15 | 21'7 | 14'3 | 30'08 | 20'42 | +9'66 | 39'7 | 20'2 | Darbhanga ... | Darbhanga ... | NORTH BENGAL. | |
| 23'38 | 11'67 | +11'71 | 20'5 | 15'3 | 29'75 | 21'11 | +8'64 | 38'0 | 25'1 | Motihari ... | Champerun ... | | |
| 17'28 | 12'18 | +5'10 | 20'7 | 15'9 | 29'48 | 19'72 | +9'76 | 35'4 | 30'3 | Chupra ... | Sarun ... | | |
| 16'44 | 11'36 | +5'08 | 22'2 | 17'3 | 27'32 | 17'22 | +10'10 | 36'6 | 27'4 | Dehree ... | Shahabad ... | NORTH BENGAL. | |
| 17'47 | 12'22 | +5'25 | 21'8 | 16'0 | 31'06 | 19'22 | +11'84 | 36'1 | 26'3 | Gya ... | Gya ... | | |
| 16'00 | 11'08 | +4'92 | 21'3 | 17'0 | 25'16 | 19'64 | +5'52 | 34'4 | 28'1 | Bankipore ... | Patna ... | | |
| 10'09 | 11'00 | -0'91 | 21'8 | 18'2 | 31'70 | 20'17 | +11'53 | 39'8 | 31'0 | Bhagulpore ... | South Bhagulpore and Monghyr. | SOUTH BENGAL. | |
| 15'45 | 12'66 | +2'79 | 23'6 | 19'7 | 33'43 | 24'23 | +9'20 | 44'8 | 36'2 | Naya Doomka ... | South Bhagulpore ... | | |
| 17'01 | 12'44 | +4'57 | 25'0 | 21'3 | 39'25 | 23'08 | +16'17 | 48'3 | 30'9 | Hazaribagh ... | Hazaribagh ... | | |
| 16'30 | 12'80 | +3'50 | 22'3 | 21'6 | 25'71 | 22'02 | +3'69 | 39'6 | 37'7 | Ranchee ... | Louardunga ... | CHUTIA NAGPUR. | |
| 14'76 | 12'07 | +2'69 | 25'0 | 21'4 | 24'63 | 21'81 | +2'82 | 44'5 | 39'4 | Ranchee ... | Manbhum ... | | |
| 9'42 | 14'37 | -4'95 | 19'0 | 21'7 | 21'38 | 26'14 | -4'76 | 41'0 | 42'4 | Ohangbaria ... | Binghoom ... | | |
| | | | | | | | | | | Sitabganj ... | Assam ... | SOUTH BENGAL. | |
| | | | | | | | | | | Silchar ... | Assam ... | | |

Table of Rainfall recorded at Station

| Metereological division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|-----------------------------|---------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ORISSA | Pooree | Pooree | 2.28 | 0.22 | ... | ... | ... | ... | 0.12 | 0.09 | ... | 1.20 | 0.04 | ... | ... | ... | 0.30 | 0.02 | ... | 0.20 | 1.24 | |
| | | Khurda | 1.14 | 0.24 | ... | ... | ... | 0.05 | 0.04 | 0.03 | 1.36 | 0.02 | 1.50 | ... | ... | ... | 0.42 | ... | ... | 0.39 | 1.24 | |
| | | Bampur | 0.75 | ... | ... | 0.20 | ... | 0.11 | 0.04 | 0.03 | 1.36 | ... | ... | ... | 0.18 | 0.02 | ... | 0.42 | ... | 0.44 | 1.05 | |
| | | Paise Point | 1.39 | 1.64 | ... | ... | ... | 0.05 | 0.70 | 0.73 | ... | 1.03 | 0.00 | ... | ... | 0.75 | 1.00 | ... | 0.12 | 0.30 | 0.14 | |
| | | Gap | 0.40 | ... | ... | 0.51 | ... | ... | 0.53 | 0.10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1.24 | |
| | Cuttack | Salapora | 1.20 | 0.78 | ... | ... | ... | ... | 0.05 | 0.40 | 0.03 | 1.05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1.24 |
| | | Pipili | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jamainipore | 3.70 | 1.25 | ... | 0.08 | ... | ... | 0.65 | 1.30 | 1.10 | 0.50 | 0.70 | ... | ... | ... | 0.25 | 0.37 | 0.25 | ... | 2.14 | |
| | | Banki | 2.35 | 0.05 | ... | ... | ... | 0.30 | 0.38 | 0.50 | ... | 0.88 | 0.18 | ... | ... | ... | 0.15 | 0.25 | ... | 0.15 | 0.50 | |
| | | Cuttack | 2.50 | 0.72 | 0.16 | ... | ... | ... | ... | 0.00 | 0.03 | 0.71 | 0.20 | 0.83 | ... | ... | ... | 0.35 | ... | ... | 1.63 | |
| | Balasore | Kendrapara | 1.70 | 2.00 | 0.03 | ... | ... | ... | 0.04 | 0.03 | 0.04 | 0.47 | 0.33 | 0.22 | 0.02 | ... | 0.15 | 0.01 | 0.01 | ... | 0.10 | |
| | | Jajpore | 2.23 | 1.00 | ... | ... | ... | ... | 0.77 | 0.43 | 0.47 | 0.23 | 0.44 | 0.21 | ... | ... | ... | ... | ... | ... | 0.22 | |
| | | Dharmasalla | 3.00 | ... | ... | ... | ... | 1.15 | 0.15 | 0.40 | 0.35 | 0.25 | 1.00 | ... | ... | ... | ... | ... | ... | ... | 0.50 | |
| | | Salapora | 4.80 | 0.04 | ... | ... | ... | ... | 1.40 | 0.80 | 0.15 | 0.53 | ... | ... | ... | 0.20 | 0.50 | ... | ... | ... | 1.44 | |
| | | Chandbali | 1.17 | 1.00 | ... | ... | ... | 0.07 | ... | 0.20 | 0.21 | 0.72 | 0.50 | 0.12 | ... | ... | ... | 0.27 | ... | ... | 0.22 | |
| SOUTH-WEST BENGAL. | Midnapore | Bhadrach | 0.45 | 1.80 | ... | ... | ... | ... | ... | ... | ... | 1.07 | 0.65 | ... | ... | ... | ... | ... | ... | ... | 0.13 | |
| | | Sorab | 1.80 | ... | ... | ... | ... | ... | ... | ... | ... | 0.00 | ... | ... | ... | ... | 0.70 | ... | ... | ... | 0.50 | |
| | | Balasore | 1.24 | 0.67 | 0.20 | ... | 0.03 | 0.15 | 0.08 | ... | ... | 0.04 | 0.25 | ... | ... | ... | ... | 0.31 | ... | ... | 0.14 | |
| | | Jelapore | 0.15 | 0.80 | 0.10 | ... | ... | 1.30 | ... | ... | ... | 0.18 | ... | ... | ... | ... | ... | 0.20 | 0.30 | ... | 0.30 | |
| | | Haripodah | 0.80 | ... | ... | ... | 0.20 | 0.26 | 0.02 | ... | 0.45 | 1.25 | 0.13 | 0.05 | 0.12 | ... | ... | 0.05 | 0.30 | 0.02 | 2.00 | |
| | 24-Pergunnahs | Contal | 0.29 | 0.16 | ... | ... | ... | 0.30 | 1.08 | ... | ... | 0.18 | 0.09 | ... | 0.03 | ... | 0.01 | ... | 0.15 | 0.05 | 0.01 | |
| | | Saugor Island | 0.21 | 0.45 | 0.30 | ... | 0.05 | 1.73 | 2.71 | 0.03 | ... | ... | 0.32 | ... | ... | ... | 0.41 | ... | 0.03 | ... | 0.03 | |
| | | Tumlook | 0.70 | 0.30 | 0.30 | ... | 0.20 | 0.20 | ... | ... | ... | 1.00 | 0.30 | 0.30 | ... | ... | ... | ... | ... | ... | 0.00 | |
| | | Midnapore | 1.00 | 0.10 | 0.30 | ... | ... | 1.20 | ... | 0.01 | ... | ... | 0.10 | ... | ... | ... | 0.04 | ... | ... | ... | 0.00 | |
| | | Chatal | 1.10 | 0.14 | 0.01 | ... | 0.02 | 0.00 | 0.09 | 0.06 | ... | 1.04 | 0.04 | 0.33 | 0.04 | 0.01 | ... | 0.33 | ... | 0.20 | 0.01 | |
| | Howrah | Kurakhaty | 0.23 | 0.21 | 0.17 | ... | 0.12 | 0.04 | ... | 0.20 | 0.33 | 0.34 | ... | ... | ... | ... | ... | 0.34 | 0.09 | 0.38 | 0.00 | |
| | | Garbata | 0.05 | 0.21 | 0.18 | ... | 0.04 | 0.13 | 0.02 | 0.12 | 0.45 | 0.18 | 0.10 | ... | ... | ... | 0.12 | ... | 0.23 | 0.08 | 2.05 | |
| | | Diamond Har- | 0.42 | 0.12 | 0.22 | ... | 0.03 | 0.03 | 0.06 | ... | 0.22 | 0.15 | 0.57 | ... | ... | ... | 0.02 | ... | ... | ... | 0.05 | |
| | | bour. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | Canning Town | ... | 0.30 | 0.45 | ... | 0.15 | 1.15 | ... | ... | 0.20 | 1.10 | 1.14 | 0.16 | ... | ... | 0.04 | 0.16 | ... | 0.14 | 0.00 | |
| Hooghly | Alipore Jail | ... | 0.00 | 0.02 | ... | 0.14 | 1.08 | 0.15 | ... | 0.04 | 3.82 | 0.30 | 0.07 | ... | ... | 0.04 | 0.16 | ... | 0.04 | 0.00 | | |
| | Barrackpore | 0.60 | 0.13 | ... | ... | 1.03 | 0.40 | ... | ... | ... | 1.30 | 0.05 | ... | ... | ... | 0.38 | 0.38 | ... | ... | 0.06 | | |
| | Dum-Dum | 0.10 | 0.30 | 0.02 | ... | ... | 0.30 | 0.02 | ... | ... | 1.02 | 0.42 | 0.13 | ... | ... | ... | 0.14 | ... | ... | 0.00 | | |
| | Barnet | 0.10 | 0.44 | 0.10 | ... | ... | 0.10 | 0.01 | ... | ... | 1.12 | 0.81 | ... | ... | ... | ... | ... | ... | 0.04 | 0.00 | | |
| | Buseerhat | ... | 1.70 | 0.60 | ... | 0.40 | ... | ... | ... | ... | 0.03 | 0.04 | ... | ... | ... | 0.30 | 0.14 | ... | ... | 0.00 | | |
| Bardwan | Howrah | 0.01 | 0.18 | 0.03 | ... | 0.07 | 1.43 | 0.10 | ... | 0.10 | 2.70 | 0.55 | 0.01 | 0.01 | ... | 0.21 | 0.05 | ... | ... | 0.00 | | |
| | Moharraka | 0.04 | 0.32 | 0.10 | ... | 0.03 | 1.25 | 0.12 | ... | 0.10 | 0.13 | 0.21 | 0.09 | 0.03 | 0.01 | 0.03 | 0.02 | ... | ... | 0.02 | | |
| | (Ooloberiah). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Serampore | 0.60 | 0.30 | 0.10 | ... | ... | 0.80 | 0.30 | ... | 0.09 | 1.05 | 0.12 | ... | 0.04 | 0.28 | 0.02 | 0.03 | ... | ... | 0.07 | | |
| | Hooghly | 0.18 | ... | 0.35 | ... | ... | 0.42 | 0.03 | ... | 0.11 | 0.43 | 0.05 | 0.30 | ... | ... | 0.15 | 0.05 | ... | ... | 0.05 | | |
| Bardwan | Jehanabad | 0.80 | 0.09 | 0.19 | ... | 0.10 | 0.07 | ... | ... | 0.10 | 1.08 | 0.25 | 0.02 | ... | ... | ... | 0.04 | ... | ... | 0.55 | | |
| | Culina | ... | 0.05 | 0.12 | 0.02 | ... | ... | 1.17 | ... | 0.78 | 0.07 | 0.23 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Bardwan | ... | 0.05 | ... | ... | ... | 0.14 | 0.57 | ... | 2.80 | 2.10 | 0.53 | 0.43 | 0.01 | ... | ... | ... | ... | ... | ... | | |
| | Cutwa | 0.15 | 0.01 | ... | ... | 2.78 | 0.20 | ... | 0.30 | 0.17 | 0.14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Rane-gunge | ... | 0.06 | ... | ... | 0.16 | 0.07 | 0.83 | 0.07 | 1.13 | 2.37 | 0.05 | 0.04 | 0.09 | ... | 0.10 | ... | ... | ... | ... | | |
| Bankura | Mankur | ... | 0.18 | ... | ... | 0.29 | 0.42 | ... | 0.07 | 1.38 | 1.15 | 0.71 | ... | ... | ... | 0.13 | ... | 0.42 | 0.25 | 0.01 | | |
| | Bankura | ... | 0.57 | 0.38 | ... | ... | 0.76 | 0.02 | 0.21 | 1.24 | 1.30 | 0.31 | ... | ... | ... | 0.02 | ... | ... | ... | ... | | |
| | Bishnupore | ... | 0.24 | ... | ... | 0.20 | 0.35 | 0.05 | 1.10 | 0.81 | 0.40 | 0.29 | ... | ... | ... | 0.05 | ... | ... | ... | ... | | |
| | Mallara | ... | 0.71 | ... | ... | 0.20 | 0.70 | 0.20 | 0.01 | 3.98 | 0.00 | 0.81 | 0.80 | ... | ... | ... | 0.07 | ... | ... | ... | | |
| | Khatra | ... | 0.70 | 0.04 | ... | 0.35 | 0.42 | 0.10 | ... | ... | 0.25 | 0.30 | ... | ... | ... | ... | 0.07 | ... | ... | ... | | |
| Bardhaman | Indas | ... | 0.25 | 0.04 | ... | 0.04 | 2.18 | 1.00 | 0.11 | 3.40 | 1.10 | 1.73 | 0.00 | ... | ... | ... | ... | ... | ... | ... | | |
| | Kotalpore | ... | 0.17 | 0.04 | ... | 0.00 | 0.00 | 0.43 | 0.07 | 3.15 | 2.11 | 0.45 | 1.38 | ... | ... | ... | ... | ... | ... | ... | | |
| | Anda | ... | 1.30 | ... | ... | 0.00 | 0.00 | ... | 2.00 | 1.14 | 0.00 | 0.40 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Gangajalhati | ... | ... | ... | ... | 2.35 | 0.40 | ... | ... | 3.79 | 0.00 | 0.42 | 0.15 | ... | ... | ... | ... | ... | ... | ... | | |
| | Relpore | 0.45 | 0.78 | 0.32 | ... | 0.82 | 0.43 | 0.43 | ... | 0.85 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Bardhaman | Banamukhi | ... | 0.18 | ... | ... | 1.10 | ... | ... | 0.70 | 3.09 | 1.02 | 3.22 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Bh. Boory | ... | ... | 0.13 | ... | 0.16 | 3.17 | 0.00 | 2.07 | 0.20 | 2.15 | 0.21 | 0.83 | ... | ... | ... | ... | ... | ... | ... | | |
| | Holampore | 0.23 | ... | 0.05 | ... | 0.04 | 0.00 | 0.87 | 0.16 | 0.40 | 0.80 | 0.05 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Rampore Haut | ... | 0.30 | 0.04 | ... | 0.45 | 0.00 | ... | 0.30 | 3.24 | 0.45 | 0.30 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Boipar | ... | 0.29 | ... | ... | 0.05 | 0.33 | 0.22 | ... | 2.80 | 0.38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Nadua | Murari | ... | 1.04 | 0.15 | ... | 1.02 | ... | 1.80 | 0.80 | 1.75 | 0.65 | ... | 1.80 | ... | ... | ... | ... | ... | ... | ... | | |
| | Ranaghat | ... | ... | 0.73 | ... | 1.30 | 0.40 | ... | ... | 0.10 | 0.05 | 0.18 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Kishnaghat | ... | ... | 0.30 | 0.18 | ... | 0.00 | 0.15 | ... | 0.02 | 0.00 | 0.12 | 0.11 | 0.22 | 0.03 | 2.00 | ... | ... | ... | ... | | |
| | Choudanga | ... | ... | 0.05 | ... | ... | 1.00 | ... | 0.03 | 2.22 | 0.75 | 0.21 | 0.18 | 0.52 | ... | ... | ... | ... | ... | ... | | |
| | Meliorpore | ... | ... | 0.45 | ... | ... | 0.73 | ... | ... | 1.40 | 0.30 | 0.43 | 0.40 | 0.00 | ... | ... | ... | ... | ... | ... | | |
| Khowla | Kooshtea | ... | ... | 0.32 | 0.11 | 0.17 | 2.32 | 0.04 | 0.28 | 0.20 | 0.76 | 0.50 | 0.20 | ... | 0.04 | ... | 0.02 | 0.07 | ... | 0.10 | | |
| | Satkhira | ... | 0.03 | 1.04 | 0.01 | 0.39 | 0.09 | 0.05 | 0.37 | 0.23 | 0.08 | 0.33 | 0.05 | 0.03 | 0.01 | 0.40 | 0.10 | 0.21 | 0.28 | 0.01 | | |
| | Bagirhat | 0.57 | 0.46 | 0.17 | ... | 0.30 | 0.43 | 0.05 | ... | 0.05 | 0.81 | ... | ... | 0.12 | 0.35 | ... | 0.15 | 0.12 | ... | ... | | |
| | Khowla | 0.26 | 0.10 | 0.21 | ... | 0.35 | 0.28 | 1.20 | 0.16 | 1.70 | 0.00 | 0.36 | ... | 0.41 | 0.35 | ... | 0.10 | ... | ... | ... | | |
| | Naktipur | 0.20 | ... | 0.30 | ... | 0.51 | 0.23 | 0.50 | ... | ... | 0.03 | ... | ... | 0.43 | 0.33 | ... | 0.42 | ... | ... | ... | | |
| Jessore | Rampal | 0.21 | 0.72 | 0.43 | ... | 0.51 | 0.27 | 0.40 | ... | 2.18 | 1.07 | 0.21 | ... | 1.00 | ... | ... | 0.31 | ... | ... | ... | | |
| | Narail | 0.73 | 0.24 | ... | 0.10 | 0.45 | ... | 0.19 | 0.23 | | | | | | | | | | | | | |

Bengal in July 1890.

| | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Number of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Highest rainfall during the month. | Total rainfall from 1st January 1890 up to 31st July 1890. | Average rainfall from 1st January up to 31st July. | Station. | District. | Meteorological division. |
|------|------|------|------|------|------|------|------|------|------|------|-----------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------------|--|--|-----------------------|-----------|--------------------------|
| 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 10 | 17.0 | 14.81 | 0.46 | 0.32 | 27.56 | 23.02 | Pooroo | Pooroo | Orissa. |
| 0.31 | 0.05 | 0.20 | 1.14 | ... | 0.17 | 0.52 | 1.23 | 0.64 | 0.20 | ... | 20 | 23.1 | 21.14 | 12.53 | 8.34 | 44.15 | 27.44 | Khurda. | ... | ... |
| 1.15 | 0.40 | 0.00 | ... | ... | ... | 0.03 | 0.20 | 0.42 | 2.00 | ... | 18 | 13.8 | 14.02 | 10.01 | 3.75 | 26.32 | 31.03 | Bampur. | ... | ... |
| ... | 0.03 | 0.08 | 0.43 | ... | 0.23 | 0.03 | 1.27 | 0.53 | 0.13 | ... | 20 | 18.4 | 12.37 | 14.13 | 1.64 | 25.74 | 31.61 | Pala Point. | ... | ... |
| ... | ... | 1.10 | ... | ... | ... | ... | 0.10 | 0.13 | ... | ... | 14 | ? | 18.63 | ? | 5.40 | ? | ? | Gap. | ... | ... |
| ... | 0.83 | 0.10 | ... | ... | ... | ... | 0.16 | 0.60 | ... | ... | 11 | ? | 11.31 | ? | 5.75 | ? | ? | Salpara. | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Pipli. | ... | ... |
| 0.04 | ... | 1.30 | 0.60 | ... | ... | 0.80 | 0.54 | 0.10 | 0.22 | ... | 19 | 15.3 | 15.00 | 10.88 | 2.70 | 28.01 | 33.77 | Jagatsingapore | ... | ... |
| 0.40 | 0.07 | 1.43 | ... | ... | 0.13 | 1.17 | ... | 0.26 | 0.17 | ... | 19 | 21.6 | 14.70 | 11.78 | 4.06 | 33.49 | 37.19 | Banti. | ... | ... |
| 0.40 | 0.35 | 1.50 | 0.83 | 0.67 | 0.60 | ... | 1.76 | 0.25 | 0.40 | ... | 20 | 22.8 | 21.5 | 12.40 | 4.73 | 30.62 | 30.74 | Quinn. | ... | ... |
| 0.02 | 0.42 | 1.15 | 0.35 | ... | 0.32 | 0.74 | 0.23 | 0.31 | ... | ... | 34 | 15.6 | 11.25 | 11.70 | 2.00 | 30.20 | 27.35 | Kondrapara. | ... | ... |
| 0.02 | 0.45 | ... | 1.05 | ... | ... | 0.89 | 0.14 | ... | ... | ... | 15 | 15.1 | 11.03 | 13.10 | 2.26 | 24.15 | 31.74 | Jajpore. | ... | ... |
| 1.00 | 0.17 | 0.26 | ... | ... | 0.30 | 1.18 | ... | ... | ... | ... | 14 | ? | 11.97 | ? | 3.00 | 31.02 | ? | Dharmasala. | ... | ... |
| 0.10 | 1.03 | 0.53 | 0.07 | 0.15 | 0.17 | 0.33 | 0.05 | 0.21 | 0.04 | ... | 19 | ? | 18.94 | ? | 4.00 | 28.00 | ? | Salpara. | ... | ... |
| ... | 0.35 | 4.10 | 0.45 | ... | 0.14 | ... | 0.04 | ... | ... | ... | 17 | 15.2 | 10.50 | 11.53 | 4.10 | 24.98 | 27.66 | Chandball | ... | ... |
| 0.40 | ... | ... | 0.73 | ... | ... | 0.09 | ... | ... | ... | ... | 20 | 16.3 | 7.24 | 12.00 | 1.70 | 30.21 | 31.02 | Bluddruck. | ... | ... |
| 0.40 | 1.20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 | 16.7 | 4.20 | 11.85 | 1.70 | 28.54 | 28.08 | Sorah. | ... | ... |
| ... | ... | 0.54 | 0.08 | 0.16 | 0.04 | ... | ... | ... | ... | ... | 16 | 19.0 | 6.70 | 11.80 | 1.30 | 30.10 | 33.43 | Balasore. | ... | ... |
| ... | ... | 1.02 | 0.18 | ... | ... | ... | ... | ... | ... | ... | 20 | 18.0 | 5.79 | 15.10 | 1.02 | 28.00 | 30.30 | Jellapore. | ... | ... |
| 0.73 | 0.15 | 0.03 | 0.15 | 0.07 | 0.33 | ... | ... | 0.13 | ... | ... | 21 | 23.1 | 7.40 | 12.33 | 2.10 | 30.16 | 31.23 | Baripodah. | ... | ... |
| ... | ... | ... | 0.08 | ... | ... | ... | ... | ... | 0.26 | ... | 13 | 17.2 | 3.76 | 14.41 | 1.08 | 26.40 | 33.62 | Contal | ... | ... |
| 0.44 | ... | 0.18 | ... | ... | ... | 0.05 | ... | ... | 0.09 | ... | 17 | 20.7 | 8.07 | 15.98 | 3.71 | 24.48 | 35.48 | Saugor Island | ... | ... |
| 0.10 | 0.20 | 0.50 | ... | ... | 1.30 | 3.00 | ... | 0.60 | 0.30 | ... | 17 | 14.0 | 10.40 | 12.25 | 3.00 | 33.50 | 30.92 | Tamluk. | ... | ... |
| 0.40 | 0.53 | 0.25 | ... | 0.30 | ... | 0.23 | ... | ... | 0.14 | ... | 15 | 20.1 | 5.24 | 13.00 | 1.20 | 30.82 | 33.55 | Midnapore. | ... | ... |
| ... | 0.71 | 1.67 | ... | 0.64 | 0.05 | 2.00 | 0.06 | 0.17 | ... | ... | 24 | 19.3 | 11.57 | 13.82 | 2.00 | 30.84 | 33.38 | Chital. | ... | ... |
| ... | ... | 0.69 | ... | ... | ... | 1.13 | ... | ... | 0.21 | ... | 16 | ? | 0.10 | ? | 1.13 | 10.78 | ? | Kakrhaty. | ... | ... |
| 0.34 | 0.19 | 0.44 | ... | 0.44 | 3.58 | 0.12 | 4.20 | 0.60 | ... | ... | 23 | ? | 15.22 | 12.53 | 4.19 | 35.71 | 30.63 | Garbata. | ... | ... |
| 1.13 | 0.04 | 0.62 | 0.13 | ... | 1.72 | 0.92 | 0.14 | ... | 2.35 | ... | 21 | 22.7 | 10.35 | 14.03 | 2.35 | 37.87 | 34.95 | Diamond Har. | ... | ... |
| 1.38 | ... | 1.47 | 0.13 | ... | ... | 0.81 | 0.05 | 0.74 | 0.30 | ... | 20 | ? | 10.41 | ? | 1.47 | 28.05 | ? | hour. | ... | ... |
| 0.31 | 1.45 | 0.23 | ... | ... | 0.91 | 0.71 | 0.08 | ... | 0.42 | ... | 21 | 22.0 | 11.55 | 10.37 | 0.92 | 32.68 | 34.13 | Canning Town. | ... | ... |
| 0.07 | 0.58 | 0.73 | ... | 0.04 | ... | 2.35 | 0.15 | 0.11 | 0.04 | ... | 19 | 18.0 | 8.75 | 12.40 | 2.35 | 27.00 | 31.80 | Alipore Jail. | ... | ... |
| ... | 1.10 | 0.16 | ... | 0.23 | ... | 0.86 | ... | ... | 0.04 | ... | 16 | 22.6 | 6.88 | 10.15 | 1.62 | 25.70 | 32.03 | Barrackpore. | ... | ... |
| ... | ... | 0.57 | 0.24 | ... | 0.10 | 1.84 | ... | ... | 0.13 | ... | 14 | 20.8 | 7.33 | 11.24 | 1.58 | 20.75 | 32.25 | Dum-Dum. | ... | ... |
| ... | ... | 2.40 | 1.73 | 0.03 | ... | 1.20 | ... | ... | 0.30 | ... | 15 | 20.1 | 11.31 | 12.33 | 3.40 | 38.77 | 35.07 | Haraset. | ... | ... |
| 0.11 | 0.83 | 0.56 | ... | ... | 0.41 | 0.60 | 0.04 | ... | 0.15 | ... | 22 | 24.2 | 8.61 | 12.60 | 2.70 | 20.94 | 34.11 | Huseerhat. | ... | ... |
| 0.02 | 0.50 | ... | ... | ... | 1.03 | 1.92 | ... | 0.04 | 0.01 | ... | 23 | 23.2 | 6.50 | 13.48 | 1.92 | 37.64 | 32.75 | Howrah | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Mohesra (Ooloudariah) | ... | ... |
| 0.02 | 0.10 | 1.05 | ... | 0.02 | 0.28 | 2.51 | 0.13 | 0.11 | 0.04 | ... | 24 | 23.7 | 9.08 | 13.13 | 2.54 | 29.59 | 32.66 | Serampore | ... | ... |
| 0.18 | 1.54 | 0.10 | ... | ... | 0.45 | 0.40 | 0.30 | ... | 0.36 | ... | 20 | 21.5 | 6.34 | 12.32 | 1.54 | 27.72 | 34.56 | Hooghly. | ... | ... |
| 0.28 | 1.40 | 1.23 | ... | 0.81 | 0.38 | 1.14 | 1.04 | 2.52 | 0.68 | ... | 23 | 19.4 | 13.91 | 13.83 | 2.32 | 38.03 | 31.98 | Hooghly. | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Jehanabad | ... | ... |
| 0.14 | 0.27 | 3.80 | 0.08 | 0.18 | 2.75 | 0.28 | 1.05 | 0.10 | 0.10 | ... | 16 | 14.8 | 11.98 | 11.23 | 3.08 | 34.01 | 32.72 | Onna | ... | ... |
| 0.01 | 0.00 | ... | ... | 1.35 | 0.44 | 0.19 | 0.50 | 0.75 | 0.11 | ... | 20 | 17.1 | 11.92 | 10.88 | 3.78 | 30.68 | 30.45 | Hurliwan | ... | ... |
| 0.24 | 0.01 | 0.13 | 0.01 | 0.44 | 0.31 | 0.04 | 0.15 | 1.21 | 0.10 | ... | 26 | 21.9 | 13.97 | 13.00 | 2.35 | 35.58 | 39.01 | Outwa. | ... | ... |
| 0.05 | 0.16 | ... | 0.73 | 0.04 | 0.95 | 0.35 | 0.35 | 0.17 | 0.05 | ... | 23 | ? | 10.99 | ? | 1.35 | 34.01 | ? | Hanmantungo. | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Mankar. | ... | ... |
| 0.57 | ... | 0.95 | ... | ... | 0.89 | 1.74 | 0.13 | 0.65 | 0.40 | ... | 31 | 31.4 | 20.70 | 12.78 | 4.95 | 30.73 | 30.35 | Bankoora | ... | ... |
| 0.06 | 0.08 | 0.87 | ... | ... | 1.53 | 0.72 | 0.42 | 1.32 | 0.20 | ... | 21 | 10.1 | 10.85 | 12.11 | 1.05 | 35.03 | 31.03 | Bishnupore | ... | ... |
| 0.06 | 0.24 | 0.35 | ... | ... | 0.02 | 0.38 | 0.34 | 0.19 | 0.11 | ... | 24 | 19.0 | 14.87 | 14.03 | 3.38 | 30.41 | 20.84 | Mahara | ... | ... |
| 1.24 | 0.32 | 1.78 | ... | ... | 0.85 | 0.55 | 0.32 | 0.95 | 0.22 | ... | 17 | 21.2 | 10.24 | 14.58 | 1.78 | 23.71 | 35.01 | Khatra. | ... | ... |
| 0.06 | 0.44 | 3.14 | ... | 0.04 | 2.30 | 0.32 | 1.30 | 0.33 | 0.06 | ... | 24 | ? | 21.87 | ? | 3.69 | 42.54 | ? | Indas. | ... | ... |
| ... | 1.05 | 0.98 | ... | 0.44 | 5.05 | 2.03 | 2.88 | 0.54 | ... | ... | 20 | ? | 23.34 | ? | 5.05 | 50.34 | ? | Kotapora. | ... | ... |
| 0.20 | 1.33 | ... | ... | ... | 1.30 | 1.20 | 0.45 | 0.40 | ... | ... | 17 | ? | 16.35 | ? | 2.11 | 33.00 | ? | Anta. | ... | ... |
| 0.01 | ... | 0.33 | ... | ... | 0.50 | 0.05 | 0.31 | 1.56 | 0.43 | ... | 18 | ? | 15.93 | ? | 3.70 | 43.77 | ? | Gurajalghat. | ... | ... |
| 0.11 | 0.13 | 1.25 | ... | ... | 1.55 | 0.45 | 1.85 | 0.32 | 0.30 | ... | 30 | ? | 15.03 | 12.00 | 2.40 | 33.19 | 23.19 | Gurajalghat. | ... | ... |
| 0.20 | 0.22 | 0.70 | ... | ... | 0.54 | 0.79 | 0.33 | 0.19 | ... | ... | 17 | ? | 18.08 | ? | 3.62 | 34.44 | ? | Kaipore. | ... | ... |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Sonamukhi. | ... | ... |
| 0.00 | 0.11 | 0.16 | 0.40 | 0.81 | 0.80 | ... | 1.92 | 0.42 | 0.34 | ... | 24 | 22.6 | 20.92 | 18.61 | 3.17 | 40.23 | 39.63 | Bh. Soory | ... | ... |
| 0.00 | 0.50 | 0.51 | 0.52 | 0.12 | ... | 0.40 | 1.14 | 0.65 | 0.84 | ... | 25 | 10.7 | 13.91 | 14.34 | 1.45 | 35.73 | 31.60 | Howanpore. | ... | ... |
| ... | 0.43 | 0.03 | 0.15 | ... | 1.15 | 1.06 | 0.70 | 0.20 | 0.25 | ... | 20 | 18.9 | 15.65 | 11.13 | 2.40 | 30.11 | 27.52 | Rampore Har. | ... | ... |
| ... | 1.00 | 1.44 | 0.03 | ... | 1.30 | 0.34 | 0.25 | 1.30 | 0.31 | ... | 17 | ? | 14.44 | ? | 2.38 | 35.85 | ? | Bolpur | ... | ... |
| ... | ... | 0.40 | 0.20 | 0.20 | 0.55 | 1.95 | 0.42 | 0.35 | 1.05 | ... | 22 | ? | 10.99 | ? | 1.05 | 35.36 | ? | Murali. | ... | ... |
| ... | 0.14 | 0.85 | ... | 0.85 | 0.42 | 0.17 | 0.57 | ... | 0.34 | ... | 18 | 16.0 | 11.57 | 10.88 | 4.05 | 32.07 | 31.00 | Ranahat | ... | ... |
| 0.02 | 0.05 | 0.04 | ... | 0.41 | 0.30 | 0.12 | 2.00 | 0.03 | ... | ... | 24 | 20.4 | 13.07 | 10.32 | 2.86 | 34.25 | 31.44 | Kashimchar. | ... | ... |
| 0.46 | ... | 0.15 | ... | 0.20 | 0.20 | 0.64 | 0.02 | 0.07 | ... | ... | 17 | 17.3 | 8.76 | 10.00 | 2.22 | 34.43 | 33.03 | Chokkunda. | ... | ... |
| 0.00 | ... | 1.05 | ... | ... | 0.03 | 1.09 | 2.35 | ... | 0.32 | ... | 16 | 17.7 | 13.43 | 10.11 | 2.35 | 33.32 | 31.80 | Moh. ppara. | ... | ... |
| 0.20 | 0.40 | 0.40 | 0.30 | ... | 0.57 | 1.19 | 1.40 | 0.68 | 0.06 | ... | 24 | 19.2 | 0.90 | 11.02 | 2.32 | 32.35 | 33.01 | Kooshtia. | ... | ... |
| 0.04 | 1.84 | 2.27 | 0.05 | 0.03 | 0.53 | 0.20 | 0.57 | 0.30 | 0.16 | ... | 26 | 21.7 | 10.58 | 13.41 | 2.27 | 34.00 | 38.21 | Satkhira | ... | ... |
| 0.10 | 1.74 | 1.07 | 0.21 | 0.90 | 2.30 | 3.05 | ... | 0.50 | ... | ... | 21 | 20.9 | 15.53 | 14.00 | 3.65 | 40.30 | 41.57 | Bachhat. | ... | ... |
| 0.00 | 0.55 | 1.05 | 0.03 | 0.02 | ... | 0.83 | 0.51 | 0.45 | 0.05 | ... | 24 | 17.1 | 12.70 | 12.00 | 1.76 | 37.55 | 38.20 | Kooshtia. | ... | ... |
| 0.26 | 0.08 | 1.00 | 0.19 | ... | ... | 0.08 | ... | ... | 0.21 | ... | 17 | ? | 0.03 | ? | 1.00 | 30.07 | ? | Kooshtia. | ... | ... |
| ... | 2.55 | 0.52 | 0.17 | ... | 2.35 | 1.12 | 0.08 | ... | ... | ... | 19 | ? | 15.40 | ? | 2.55 | 39.30 | ? | Kooshtia. | ... | ... |
| 0.31 | 0.05 | 0.18 | 0.32 | ... | 1.00 | 1.48 | 0.24 | ... | ... | ... | 21 | 19.0 | 7.50 | 0.00 | 1.49 | 37.62 | 33.47 | Narail | ... | ... |
| 0.24 | 0.44 | 0.70 | 0.04 | ... | 0.84 | | | | | | | | | | | | | | | |

Table of Rainfall recorded at Station

| Meteorological division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
|--------------------------|-----------------------------|-----------------|-------------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|-----|
| EAST BENGAL —contd. | Bachergunge... | Patuakhali ... | ... | ... | 0.52 | ... | 0.10 | 1.05 | ... | 0.73 | 0.61 | 0.10 | 0.42 | 0.50 | 1.50 | 1.25 | 0.07 | ... | ... | ... | ... | ... | |
| | | Perazaspore ... | 0.21 | 0.20 | 0.22 | 0.05 | 0.44 | 1.50 | 0.31 | 0.21 | 0.42 | 1.07 | 0.24 | 0.04 | 0.11 | 1.37 | 0.08 | 1.16 | 0.04 | 0.04 | ... | ... | |
| | | Hurrial ... | 1.09 | 0.45 | 0.66 | 0.70 | 0.79 | 1.50 | 0.45 | 0.55 | 0.20 | 0.22 | 0.10 | 0.34 | 0.25 | 0.80 | 0.32 | ... | ... | ... | ... | ... | |
| | | Khola ... | 0.81 | 0.28 | 0.05 | ... | 0.72 | 0.71 | 0.92 | 0.27 | 0.20 | 0.20 | 0.05 | 0.27 | 0.12 | 0.19 | 0.59 | 0.15 | 0.51 | 0.20 | ... | ... | |
| | | Gowmaddi ... | 0.07 | 0.35 | 0.75 | 0.53 | 0.58 | 0.44 | 0.55 | ... | 0.27 | 0.25 | 0.16 | 0.43 | 0.70 | 0.50 | 0.80 | 0.18 | 0.10 | 0.04 | 0.07 | ... | |
| | Noakholly ... | Banphal ... | ... | 0.31 | 1.09 | ... | 0.12 | 1.23 | 0.25 | 0.23 | 1.00 | 0.40 | 0.07 | 0.49 | 0.08 | 1.08 | 0.54 | ... | ... | ... | ... | ... | |
| | | Noakholly ... | 0.63 | ... | 0.25 | 0.30 | 0.45 | 0.61 | 0.38 | 0.55 | 1.15 | 0.73 | 1.05 | 0.44 | 1.33 | 0.54 | 0.35 | 0.74 | 0.22 | 0.03 | 0.20 | ... | |
| | | Penny ... | 0.72 | ... | 0.30 | 0.37 | 0.47 | 0.26 | 1.15 | 1.55 | 1.20 | 0.50 | 0.45 | 0.43 | 0.70 | 0.27 | 0.18 | 0.31 | 0.43 | 0.50 | 0.32 | ... | |
| | | Harishpore ... | ... | 0.15 | 1.00 | 0.15 | 1.50 | 0.75 | 2.10 | 2.00 | 1.45 | 1.50 | 0.50 | ... | 0.30 | 3.50 | 0.45 | 3.40 | 0.45 | 0.32 | 0.21 | ... | |
| | | Banganj ... | 0.52 | 0.15 | 0.50 | 0.30 | 0.20 | 0.30 | 0.10 | ... | 1.10 | 0.63 | 0.45 | 0.46 | 1.59 | 0.70 | 0.45 | ... | 0.50 | 2.40 | 0.66 | ... | |
| | Farredpore... | Madaripore ... | 0.54 | 0.20 | 0.11 | 0.08 | 1.21 | ... | 0.28 | ... | 0.06 | 0.45 | 0.40 | 0.35 | 0.28 | 0.04 | 0.63 | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 | ... |
| | | Farredpore ... | ... | ... | 0.18 | 0.44 | 0.08 | 0.63 | 0.38 | 0.07 | 0.15 | 0.12 | 0.25 | 0.08 | 0.08 | 0.04 | 0.06 | 0.45 | 0.02 | ... | ... | ... | |
| | | Gosalundo ... | 0.05 | ... | 0.11 | 0.06 | ... | 0.11 | 0.43 | 0.20 | ... | 1.65 | ... | 0.51 | ... | 0.55 | ... | 0.23 | 0.55 | ... | ... | ... | |
| | Dacca ... | Munshigunge ... | 0.35 | ... | 0.25 | 0.21 | 2.03 | ... | 3.50 | 0.32 | 0.51 | 0.33 | 0.45 | 0.12 | 0.40 | 0.50 | 0.00 | ... | 0.45 | ... | 0.10 | 0.1 | |
| | | Dacca ... | 0.03 | ... | ... | 0.07 | 3.72 | 2.08 | 0.12 | 0.25 | 0.45 | 1.67 | 0.40 | 0.75 | 0.10 | 0.57 | 0.06 | 0.10 | 0.45 | ... | 0.40 | 0.1 | |
| | | Narainnunge ... | 0.18 | ... | 0.07 | ... | 3.00 | 2.40 | 0.20 | 0.54 | 0.28 | 0.16 | 1.12 | 1.02 | 0.50 | 0.43 | ... | ... | 0.54 | 0.15 | 1.04 | 0.1 | |
| | | Manicknunge ... | ... | ... | ... | 0.73 | 0.37 | 0.34 | 0.72 | 0.18 | 0.15 | 0.34 | 0.21 | 0.40 | 0.19 | ... | ... | ... | 1.55 | 0.32 | 0.05 | 0.1 | |
| | | Joydebpore ... | 0.13 | ... | ... | 0.45 | 0.07 | 0.61 | 0.15 | 0.46 | 0.58 | 0.02 | 0.64 | 0.64 | 0.06 | 0.32 | 0.07 | 0.13 | 1.83 | 0.08 | 0.33 | 0.1 | |
| | Hill Tipperah | Agartala ... | 0.72 | ... | ... | 3.25 | 0.28 | ... | 0.50 | 0.35 | 0.57 | 0.14 | 0.27 | 0.57 | 0.10 | ... | 0.10 | 0.55 | 0.73 | ... | 0.25 | ... | |
| | | Tipperah ... | Comilla ... | 1.10 | ... | 0.20 | 1.20 | 1.21 | 0.21 | 0.30 | 0.35 | 1.05 | 0.33 | 1.14 | 0.30 | 1.00 | 0.39 | ... | 0.53 | 0.63 | 0.4 | 0 | ... |
| Chandpore ... | | 0.70 | ... | 0.30 | 0.25 | 2.00 | ... | 0.30 | ... | 1.00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| Brahmauberia ... | | 0.33 | ... | 0.21 | 0.60 | 1.02 | 0.25 | 0.04 | 0.40 | 0.44 | ... | 0.30 | ... | 0.30 | 0.11 | ... | 0.60 | 0.80 | 1.04 | 0.5 | ... | | |
| Ramchandrapore ... | | 1.86 | 1.08 | ... | 1.32 | 2.70 | 3.53 | 0.85 | 0.28 | 0.85 | 0.45 | 0.42 | 0.52 | 0.48 | ... | ... | 0.18 | 0.25 | 0.07 | 0.0 | ... | | |
| Mymensingh. | Nasirnagar ... | ... | ... | ... | 0.50 | ... | 0.55 | 0.10 | ... | ... | ... | ... | ... | ... | ... | ... | 0.30 | 0.25 | ... | 0.30 | 2.90 | ... | |
| | Daudkandi ... | ... | ... | ... | 1.02 | 0.70 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.02 | 0.01 | 0.03 | 0.02 | 1.02 | 0.27 | ... |
| | Kasba ... | ... | ... | ... | 1.15 | 0.20 | 0.02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.75 | 0.65 | ... | ... | 1.10 | ... | |
| | Laksham ... | 2.10 | ... | ... | 2.52 | 0.10 | ... | 2.40 | ... | 1.45 | ... | 2.22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Kishoregunge ... | ... | 0.42 | 0.03 | 0.80 | 0.72 | ... | 0.47 | 0.74 | ... | 0.21 | ... | 0.52 | ... | ... | ... | ... | ... | 2.14 | 0.41 | 0.18 | 0.1 | |
| | Atia (Tangail) ... | ... | ... | ... | 0.15 | 0.73 | 0.46 | ... | 1.54 | 0.22 | 0.12 | ... | 0.12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Mymensingh ... | ... | ... | ... | 0.32 | 1.50 | 1.31 | 0.69 | 0.25 | 0.82 | 0.22 | 0.00 | 0.03 | 0.32 | 0.73 | 0.17 | 1.44 | 1.50 | 2.13 | 0.14 | 0.2 | | |
| | Jamailpore ... | ... | 0.23 | ... | ... | 0.12 | 1.02 | 0.62 | 0.25 | 0.63 | ... | 0.55 | 0.67 | 0.68 | 0.02 | 0.19 | 0.12 | ... | ... | ... | ... | | |
| | Netrokona ... | ... | ... | ... | 0.25 | 3.80 | 0.23 | 1.03 | 0.38 | 0.43 | 0.44 | 0.44 | 0.02 | 1.01 | 0.07 | ... | 1.85 | 4.55 | 1.23 | 0.05 | 0.2 | | |
| | Subornachally ... | ... | ... | ... | 1.63 | 1.03 | 1.15 | ... | ... | ... | 0.40 | 0.40 | 0.10 | ... | ... | ... | 1.50 | 3.50 | ... | ... | ... | | |
| NORTH BENGAL | Durgapore ... | ... | ... | ... | 4.30 | 3.50 | ... | 1.00 | 0.5 | 0.20 | 0.40 | 0.40 | 0.10 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Sherpore Tawa ... | ... | ... | ... | 0.08 | 0.05 | 0.34 | 0.82 | ... | 0.25 | ... | 0.10 | 0.20 | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Dewanganj ... | ... | ... | ... | ... | 0.50 | ... | ... | ... | ... | 0.80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | |
| | Pubna ... | ... | ... | ... | 0.32 | ... | 1.04 | 0.20 | 0.06 | 0.22 | 0.15 | 0.61 | 0.05 | 0.01 | 0.07 | 0.25 | 0.15 | 1.22 | ... | 0.28 | ... | | |
| | Serajung ... | ... | 0.02 | ... | 0.13 | 1.34 | 1.15 | ... | 0.01 | ... | 0.11 | 0.12 | 0.23 | 0.14 | ... | ... | 0.01 | 0.08 | 0.24 | 0.05 | ... | | |
| | Bogra ... | Sherpore ... | ... | 0.47 | ... | ... | 0.70 | 0.64 | 0.09 | 0.08 | 0.15 | 0.50 | 0.67 | 0.31 | 0.48 | 0.15 | 0.65 | 0.28 | ... | ... | 0.32 | ... | |
| | | Nowkhilla ... | ... | ... | ... | 0.16 | 0.24 | 0.74 | 0.19 | ... | 0.61 | 0.24 | 0.17 | 0.15 | 0.32 | 0.20 | 0.48 | 0.21 | 0.02 | ... | ... | ... | |
| | | Bogra ... | ... | ... | ... | 0.07 | 0.59 | 0.56 | 0.21 | 0.10 | ... | 0.37 | 0.08 | 0.67 | 0.22 | ... | ... | ... | ... | ... | ... | ... | |
| | | Panohibibi ... | ... | ... | ... | ... | 0.10 | ... | 0.31 | 0.38 | ... | 0.25 | 0.50 | 0.10 | 0.07 | ... | ... | ... | 0.22 | 0.15 | ... | ... | |
| | | Benuloh ... | ... | ... | ... | 0.31 | 0.05 | 0.06 | 1.68 | 0.22 | 0.21 | 2.50 | 0.24 | 1.45 | 0.14 | ... | 0.04 | ... | 0.06 | 1.00 | 0.82 | 2.50 | ... |
| Rajshahye ... | Nattora ... | ... | ... | 0.08 | ... | 0.05 | 2.03 | 0.35 | 0.02 | 0.20 | 0.06 | 0.25 | 0.18 | 1.65 | 0.12 | 0.10 | ... | ... | ... | ... | ... | | |
| | Naogaon ... | 0.10 | ... | ... | ... | 0.22 | ... | ... | ... | ... | 1.80 | 0.31 | 0.30 | 2.50 | ... | 0.15 | ... | 0.11 | 0.15 | 0.21 | 0.22 | ... | |
| | Lalpor ... | ... | 0.05 | 0.50 | ... | 1.25 | ... | ... | ... | ... | 1.00 | 0.30 | 0.32 | 0.15 | 0.40 | ... | 0.50 | ... | ... | ... | ... | | |
| | Manda ... | ... | ... | ... | ... | 1.07 | 0.50 | 1.02 | 0.53 | 1.06 | ... | ... | ... | ... | ... | ... | ... | ... | 0.80 | 0.50 | 0.30 | ... | |
| | Maldah ... | Maldah ... | ... | 0.13 | ... | ... | ... | 0.02 | ... | 0.04 | 0.04 | 0.24 | 0.05 | 0.37 | 0.02 | 0.12 | 0.01 | ... | ... | 1.55 | ... | | |
| Dinagore ... | Chanchal ... | ... | 0.19 | ... | ... | 0.04 | 0.07 | ... | 0.20 | 1.25 | 0.05 | 0.15 | 0.22 | 1.15 | 0.00 | 0.11 | ... | ... | ... | 1.67 | ... | | |
| | Gajol ... | ... | ... | ... | ... | ... | 0.07 | ... | 0.20 | 0.75 | 0.27 | 0.19 | 0.10 | 1.00 | 3.80 | ... | ... | ... | ... | ... | ... | | |
| | Sibganj ... | ... | ... | 0.23 | ... | ... | 0.50 | ... | 1.06 | 1.62 | 0.72 | 0.55 | 0.28 | 0.03 | ... | 0.06 | ... | 0.59 | 1.91 | ... | ... | | |
| | Mohadebpore ... | ... | ... | ... | ... | 0.52 | 0.10 | 1.44 | 0.32 | 0.20 | 0.20 | 0.70 | 0.31 | 10.54 | ... | 1.75 | ... | ... | ... | ... | ... | | |
| | Chhuranon ... | ... | 0.21 | ... | ... | ... | 0.13 | ... | 0.06 | 0.21 | 0.07 | 0.07 | 0.02 | ... | 3.18 | ... | ... | 1.10 | 1.52 | ... | ... | | |
| Rangpore ... | Raigunge ... | ... | ... | ... | ... | 0.64 | ... | ... | 0.18 | 1.15 | 0.45 | 1.05 | ... | 0.81 | 0.70 | 2.80 | ... | 0.30 | 1.15 | ... | ... | | |
| | Dinagore ... | ... | ... | ... | 0.18 | 0.35 | 0.73 | ... | 2.05 | 0.19 | 0.10 | 0.05 | 0.75 | 0.06 | 0.01 | ... | 0.31 | ... | 0.27 | 0.03 | ... | | |
| | Balourhat ... | ... | ... | ... | 0.13 | 0.23 | 0.17 | ... | 1.25 | 0.14 | 0.23 | 0.45 | 0.24 | 2.20 | 1.52 | ... | ... | ... | ... | ... | ... | | |
| | Thakurgaon ... | ... | 0.33 | 0.31 | 0.20 | 0.50 | 0.15 | 0.43 | 0.30 | 0.23 | 0.05 | 0.08 | 0.08 | 0.10 | 1.38 | 1.63 | 0.50 | ... | 1.03 | 0.26 | ... | | |
| | Bhawanigunge (Gyabanda) ... | ... | ... | 0.15 | 0.10 | 0.65 | 0.35 | 0.10 | 0.20 | ... | 0.32 | 0.15 | 0.28 | ... | 0.50 | 0.47 | 0.11 | 0.06 | 0.41 | ... | ... | | |
| Julpigore ... | Rangpore ... | ... | 1.00 | ... | 0.12 | 0.30 | 0.32 | 0.34 | 0.23 | 0.04 | 0.07 | 0.14 | 0.12 | 0.11 | 0.01 | 0.12 | 0.40 | 0.05 | 1.44 | 0.05 | ... | | |
| | Kurigram ... | ... | 0.10 | ... | ... | 0.27 | 0.19 | 0.20 | 0.03 | ... | 0.03 | ... | ... | ... | ... | ... | 1.45 | 0.40 | 2.70 | 0.64 | ... | | |
| | Haridogra ... | ... | 0.75 | 0.12 | 0.44 | ... | 0.77 | 0.61 | 1.64 | 1.15 | 0.25 | 0.35 | 0.88 | 0.04 | 0.54 | 0.28 | 0.18 | 0.84 | 0.38 | ... | ... | | |
| | (Nilphamari) ... | ... | ... | ... | ... | ... | 0.48 | 0.16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.64 | ... | ... | | |
| | Ulupore ... | ... | | | | | | | | | | | | | | | | | | | | | |

in Bengal in July 1890—continued.

| 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | Number of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 1st January 1890 up to 31st July 1890. | Average rainfall from 1st January up to 31st July. | District. | Station. | Meteorological division. | |
|------|------|------|------|------|------|------|------|------|------|------|----|------|-------|-------|------|-------|-------|----------------|--------------|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------|-------------------------------|-------------------------------|---------------------------------|-------------------------------------|--|--|----------------------|----------------|--------------------------|--|
| 0.13 | 1.50 | 1.00 | 2.60 | 0.85 | 0.70 | 0.60 | 4.20 | 0.45 | 0.87 | 0.27 | 23 | 24.7 | 21.88 | 22.18 | 4.20 | 40.91 | 58.29 | Patuakhali | Backergunge. | SALT BRIGAL— conoid. | 0.55 | 0.27 | 1.50 | 1.39 | 0.84 | 0.18 | 0.45 | 1.55 | 0.07 | 2.55 | 0.23 | 30 | 22.7 | 18.67 | 16.40 | 2.53 | 44.84 | 47.47 | Purnepore. | | |
| 0.09 | 1.45 | 1.55 | 1.71 | 0.31 | ... | 0.23 | 1.30 | ... | 0.80 | 0.50 | 27 | 20.9 | 18.27 | 16.78 | 1.90 | 40.22 | 48.53 | Burteil. | | | | | | | | | | | | | | | | | | | | | | | |
| 0.23 | 2.00 | 1.28 | 1.54 | 0.01 | 0.03 | 0.07 | 1.69 | 0.07 | 2.10 | 0.16 | 30 | 26.4 | 19.01 | 18.40 | 3.10 | 45.65 | 52.98 | Bhola. | | | | | | | | | | | | | | | | | | | | | | | |
| 0.55 | 1.24 | 0.35 | 0.48 | 0.30 | 0.75 | 0.50 | 0.15 | 0.50 | ... | 0.38 | 29 | ? | 11.39 | ? | 1.28 | 35.67 | ? | Gournaddi. | | | | | | | | | | | | | | | | | | | | | | | |
| ... | 1.08 | 3.16 | 1.96 | 0.10 | 1.53 | 0.41 | 1.58 | 0.38 | 1.73 | 0.35 | 25 | ? | 21.21 | ? | 3.16 | 43.04 | ? | Bauphal. | | 0.23 | 1.42 | 1.71 | 1.74 | 0.06 | 0.52 | 0.51 | 2.02 | 1.23 | 2.47 | 0.50 | 30 | 25.8 | 24.91 | 21.56 | 2.62 | 61.67 | 63.01 | Noakholly ... | Noakholly. | | |
| 0.63 | 1.42 | 1.71 | 1.74 | 0.06 | 0.52 | 0.51 | 2.02 | 1.23 | 2.47 | 0.50 | 30 | 25.8 | 24.91 | 21.56 | 2.62 | 61.67 | 63.01 | Noakholly | | 0.23 | 2.10 | 2.45 | 3.00 | 0.55 | 2.28 | 1.70 | 3.05 | 0.43 | 0.30 | ... | 23 | 23.6 | 28.08 | 28.64 | 3.00 | 60.35 | 71.11 | Venny. | | | |
| 1.75 | 3.00 | 2.20 | 3.10 | 2.00 | 1.60 | 2.50 | 4.10 | 3.50 | 1.50 | 0.10 | 38 | ? | 46.20 | ? | 4.10 | 85.44 | ? | Harishpore. | | 1.75 | 0.40 | 1.13 | 1.03 | 0.80 | 0.10 | 0.60 | 0.28 | 0.82 | ... | 1.00 | 0.42 | ... | 38 | ? | 19.81 | ? | 2.00 | 63.63 | ? | Kampanj. | |
| 0.28 | ... | 0.70 | 0.03 | 0.09 | ... | ... | 2.80 | ... | 0.48 | 0.47 | 22 | 20.0 | 11.01 | 12.59 | 2.80 | 35.42 | 42.53 | Madaripore ... | Farredpore. | 0.65 | 1.27 | 1.02 | ... | 0.38 | 0.55 | 1.64 | 1.03 | 0.19 | 0.23 | 0.12 | 27 | 21.2 | 11.02 | 12.67 | 1.04 | 33.12 | 42.43 | Farredpore. | | | |
| ... | 0.56 | 0.55 | 1.38 | 0.15 | 0.35 | ... | 0.85 | 2.61 | 0.15 | 0.16 | 30 | 19.5 | 11.40 | 11.89 | 2.61 | 35.80 | 38.27 | Goalundo. | | ... | 0.70 | 0.90 | 0.44 | 0.27 | ... | 0.23 | 0.45 | 1.00 | 0.20 | ... | 25 | 19.0 | 13.77 | 10.12 | 0.60 | 47.57 | 51.79 | Munahigunge. | Dacca. | | |
| 0.04 | 0.70 | 0.60 | 0.44 | 0.27 | ... | 0.23 | 0.45 | 1.00 | 0.20 | ... | 25 | 19.0 | 13.77 | 10.12 | 0.60 | 47.57 | 51.79 | Munahigunge. | | 0.15 | 0.54 | 0.45 | 0.03 | 0.33 | 0.11 | 0.77 | 0.14 | 1.08 | 0.30 | 0.04 | 24 | 22.1 | 15.74 | 13.00 | 3.72 | 51.87 | 44.74 | Dacca. | | | |
| 0.12 | 0.20 | 0.41 | 0.49 | 0.18 | 0.43 | 0.54 | 0.65 | 1.27 | 1.34 | 0.05 | 37 | 21.4 | 15.24 | 15.00 | 3.00 | 51.23 | 47.54 | Naraingunge. | | 0.30 | 0.45 | 0.00 | 2.00 | 0.18 | 0.10 | 0.10 | 1.70 | 0.82 | 0.27 | 0.38 | 36 | 19.0 | 11.82 | 12.11 | 2.00 | 43.21 | 37.94 | Manikgunge | | | |
| 0.13 | 0.15 | 1.45 | 0.20 | 1.10 | 0.52 | 1.05 | 0.23 | 0.82 | 0.21 | 0.12 | 30 | ? | 14.25 | ? | 0.95 | 50.86 | ? | Joydebpore. | | ... | 0.35 | 0.57 | 0.08 | 0.48 | 2.32 | 1.50 | 1.35 | 0.35 | 0.43 | 0.18 | 24 | 18.9 | 16.64 | 11.63 | 3.35 | 56.01 | 48.93 | Agartola ... | Hill Tipperah. | | |
| ... | 0.89 | 1.60 | 1.22 | 0.25 | 0.54 | 1.19 | 1.85 | 0.76 | 1.49 | 0.04 | 20 | 21.1 | 21.17 | 17.09 | 1.85 | 49.13 | 57.70 | Comilla | | 0.04 | 0.60 | 0.50 | ... | 0.80 | ... | ... | 2.00 | 0.70 | ... | ... | 16 | 22.4 | 12.82 | 15.11 | 2.00 | 44.06 | 40.53 | Chandpore. | | | |
| 0.03 | 0.63 | 0.52 | 0.43 | 0.14 | 2.04 | 2.16 | 0.70 | 0.88 | 1.40 | 0.10 | 27 | 21.8 | 16.55 | 11.17 | 2.15 | 40.12 | 40.53 | Brahmanbaria. | | 0.05 | 0.70 | 0.90 | 0.48 | 0.73 | 0.93 | 1.11 | 0.73 | 2.11 | 3.23 | 0.13 | 30 | ? | 27.58 | ? | 3.25 | 55.35 | ? | Ramchandra- pore. | | | |
| ... | 0.10 | ... | 0.10 | 0.70 | 1.20 | 0.80 | 0.20 | ... | ... | ... | 18 | ? | 8.19 | ? | 2.00 | 54.81 | ? | Nasirnapur. | | ... | 0.71 | 0.03 | 0.52 | 0.29 | 0.10 | 0.26 | ... | ... | 0.45 | ... | 10 | ? | 5.29 | ? | 1.02 | 23.45 | ? | Daudkandi. | | | |
| ... | ... | 1.04 | 2.30 | 0.05 | 2.02 | 2.07 | 0.30 | ... | 0.20 | ... | 18 | ? | 17.05 | ? | 3.17 | 57.68 | ? | Kasba. | | 1.00 | ... | 3.10 | 2.30 | ... | ... | 2.23 | 0.15 | 1.75 | 1.60 | ... | 10 | ? | 25.44 | ? | 3.10 | 60.95 | ? | Laksham. | | | |
| ... | 0.20 | ... | 0.33 | 0.44 | 1.10 | 1.30 | 1.50 | 1.25 | ... | 0.40 | 20 | 20.3 | 13.81 | 12.03 | 2.14 | 52.17 | 52.08 | Kishoregunge. | | 0.01 | ... | 0.30 | 0.07 | 0.31 | ... | ... | 1.31 | 0.79 | ... | 0.15 | 16 | 16.1 | 11.10 | 11.17 | 2.06 | 45.97 | 37.39 | Atia (Tangail). | | | |
| 0.07 | 0.48 | 0.05 | 0.03 | 0.45 | 0.03 | 1.82 | 1.37 | 0.50 | 0.83 | 0.32 | 26 | 22.1 | 19.57 | 16.00 | 2.13 | 60.93 | 57.91 | Mymensingh. | | 0.07 | ... | ... | 1.07 | 0.07 | 2.00 | 0.51 | 3.05 | 0.53 | 1.39 | 0.11 | 23 | 18.3 | 10.15 | 12.47 | 3.03 | 58.90 | 43.03 | Jamulpore. | | | |
| 0.18 | ... | 0.21 | 0.42 | 1.09 | 0.44 | 1.30 | 0.42 | 0.80 | 1.03 | 1.30 | 29 | 22.3 | 14.77 | 10.80 | 3.80 | 68.61 | 67.28 | Netrokona. | | ... | 0.20 | ... | 0.40 | 0.40 | ... | ... | 0.14 | ... | 0.47 | ... | ... | ? | ? | 5.20 | ? | ? | Subornakhali. | | | | |
| 0.55 | 0.52 | 0.53 | 1.01 | 1.61 | 2.83 | 0.44 | 0.50 | 0.80 | 2.00 | 1.11 | 22 | ? | 20.92 | ? | 4.30 | 62.31 | ? | Durgapore. | | 0.55 | 0.52 | 0.53 | 1.01 | 1.61 | 2.83 | 0.44 | 0.50 | 0.80 | 2.00 | 1.11 | 22 | ? | 20.92 | ? | 4.30 | 62.31 | ? | Durgapore. | | | |
| 0.27 | ... | 0.07 | 0.70 | 0.10 | 1.22 | 2.04 | 0.63 | 1.31 | ... | ... | 20 | ? | 14.49 | ? | 2.01 | 62.77 | ? | Shorepore Town | | 0.27 | ... | 0.07 | 0.70 | 0.10 | 1.22 | 2.04 | 0.63 | 1.31 | ... | ... | 20 | ? | 14.49 | ? | 2.01 | 62.77 | ? | Shorepore Town | | | |
| ... | ... | 0.00 | 0.90 | 2.35 | ... | 4.30 | 1.03 | 1.20 | 0.81 | 0.70 | 14 | ? | 15.78 | ? | 4.30 | 61.45 | ? | Dacangaj. | | 0.03 | 0.37 | 0.71 | 0.33 | 0.15 | ... | 0.50 | 0.62 | 0.03 | ... | 0.03 | 24 | 20.4 | 8.77 | 10.71 | 1.22 | 24.35 | 35.40 | Pabna | | | |
| 1.40 | 0.34 | 0.18 | 1.02 | 0.20 | 1.24 | 2.89 | 0.43 | 0.53 | 0.11 | 0.11 | 26 | 15.8 | 12.44 | 10.95 | 2.69 | 42.42 | 35.45 | Serajgunge. | | 0.19 | 0.04 | 1.42 | 1.08 | 1.55 | 1.06 | 0.53 | 0.13 | 1.50 | 0.53 | 0.05 | 25 | 17.0 | 14.87 | 12.71 | 1.08 | 38.88 | 37.16 | Sherpore | | | |
| 0.19 | 0.04 | 1.42 | 1.08 | 1.55 | 1.06 | 0.53 | 0.13 | 1.50 | 0.53 | 0.05 | 25 | 17.0 | 14.87 | 12.71 | 1.08 | 38.88 | 37.16 | Sherpore | | 0.31 | 2.02 | 0.90 | 2.10 | 0.15 | 3.30 | 1.10 | 0.81 | 0.06 | 0.42 | 0.81 | 34 | 19.7 | 15.04 | 11.47 | 3.00 | 44.99 | 36.81 | Nowkhilla. | | | |
| 0.15 | 0.08 | 0.14 | 1.21 | 0.04 | 8.33 | 0.30 | 0.30 | 0.30 | 0.42 | 0.03 | 24 | 18.0 | 14.82 | 10.80 | 3.53 | 37.20 | 45.38 | Boera. | | 0.15 | 0.08 | 0.14 | 1.21 | 0.04 | 8.33 | 0.30 | 0.30 | 0.42 | 0.03 | 24 | 18.0 | 14.82 | 10.80 | 3.53 | 37.20 | 45.38 | Boera. | | | | |
| ... | 0.43 | 0.24 | 0.76 | 1.02 | 0.50 | 1.20 | 0.20 | 0.14 | 0.52 | ... | 19 | 14.0 | 10.15 | 12.40 | 1.03 | 44.22 | 31.43 | Panchbibi. | | 0.29 | 1.54 | 0.09 | 1.53 | 0.47 | 2.55 | 2.83 | 0.14 | 0.04 | 0.72 | 0.23 | 21 | 14.0 | 22.07 | 11.40 | 2.23 | 40.85 | 51.73 | Beaulah | | | |
| 0.12 | 0.80 | 0.38 | 0.87 | 0.38 | 2.70 | 3.06 | 0.17 | 0.70 | ... | 0.00 | 20 | 14.0 | 14.33 | 12.24 | 2.70 | 55.10 | 35.30 | Natore. | | 0.12 | 0.80 | 0.38 | 0.87 | 0.38 | 2.70 | 3.06 | 0.17 | 0.70 | ... | 0.00 | 20 | 14.0 | 14.33 | 12.24 | 2.70 | 55.10 | 35.30 | Natore. | | | |
| 2.22 | 0.80 | 0.68 | 1.55 | 1.10 | 0.54 | ... | 0.60 | ... | 1.18 | 0.69 | 20 | 17.7 | 16.30 | 11.28 | 2.50 | 39.55 | 33.20 | Nargam. | | 2.22 | 0.80 | 0.68 | 1.55 | 1.10 | 0.54 | ... | 0.60 | ... | 1.18 | 0.69 | 20 | 17.7 | 16.30 | 11.28 | 2.50 | 39.55 | 33.20 | Nargam. | | | |
| ... | 0.15 | 0.65 | 0.53 | 2.13 | 0.40 | 1.33 | 1.65 | ... | 0.35 | 1.00 | 20 | ? | 13.16 | ? | 2.48 | 30.61 | ? | Talpur. | | ... | 0.15 | 0.65 | 0.53 | 2.13 | 0.40 | 1.33 | 1.65 | ... | 0.35 | 1.00 | 20 | ? | 13.16 | ? | 2.48 | 30.61 | ? | Talpur. | | | |
| 0.60 | 0.10 | 1.20 | 1.20 | 0.60 | 0.60 | ... | 0.90 | 0.25 | 0.60 | 0.20 | 20 | ? | 13.20 | ? | 1.20 | 24.89 | ? | Masda. | | 0.60 | 0.10 | 1.20 | 1.20 | 0.60 | 0.60 | ... | 0.90 | 0.25 | 0.60 | 0.20 | 20 | ? | 13.20 | ? | 1.20 | 24.89 | ? | Masda. | | | |
| 0.32 | 0.40 | 0.23 | 0.60 | 0.45 | ... | 1.74 | 0.08 | 0.70 | 0.33 | 0.70 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table of Rainfall recorded at Stations in

| Meteorological division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|--------------------------|---------------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| NORTH BHAR —concl. | Darbhanga ... | Tajpore ... | 0'06 | ... | 0'08 | ... | ... | 0'03 | 0'07 | 1'08 | 0'04 | 1'03 | 0'04 | ... | 0'32 | 0'40 | 0'05 | ... | 0'48 | 0'38 | 1'08 | ... |
| | | Darbhanga ... | ... | ... | ... | 0'18 | ... | 0'03 | 0'07 | 2'34 | 0'04 | 0'48 | 0'05 | ... | 0'05 | 0'09 | 0'11 | 0'42 | 0'38 | 0'32 | 1'40 | ... |
| | | Madhubani ... | 0'04 | ... | ... | ... | 0'06 | ... | ... | 1'00 | 0'27 | 0'17 | ... | ... | 0'05 | 0'12 | ... | 0'42 | 0'50 | 0'12 | 1'41 | ... |
| | | Koshera ... | 0'10 | ... | ... | ... | ... | ... | 0'20 | 1'50 | ... | 0'20 | ... | 0'05 | 0'10 | ... | 0'05 | 0'15 | 1'00 | 0'00 | ... | 0'12 |
| | Muzaffarpore | Sitamarhi ... | ... | ... | ... | ... | 0'18 | 0'08 | ... | 2'28 | 0'21 | 0'06 | 0'04 | 0'06 | 0'04 | 0'04 | ... | 0'57 | 1'40 | 2'02 | 1'18 | ... |
| | | Muzaffarpore ... | ... | ... | ... | ... | ... | 0'12 | 0'03 | 0'38 | 0'04 | 1'12 | 0'05 | 0'07 | 0'04 | 0'02 | ... | ... | 0'12 | 4'22 | 1'44 | ... |
| | | Hajipur ... | ... | ... | ... | ... | ... | ... | 0'00 | 1'40 | 1'73 | 2'03 | 0'22 | 0'10 | 0'00 | 0'20 | 0'12 | ... | ... | 2'05 | 0'30 | ... |
| | | Paru ... | ... | ... | ... | ... | ... | ... | 1'13 | 1'02 | 0'53 | 0'06 | 0'11 | ... | 0'11 | ... | ... | 0'51 | 0'33 | 1'22 | 0'05 | ... |
| | Chumparan ... | Mahua ... | 0'06 | ... | ... | ... | ... | 1'17 | 2'55 | 0'03 | 1'05 | 0'34 | 0'00 | ... | 0'45 | ... | ... | ... | 2'75 | 0'05 | ... | 0'17 |
| | | Nuhar ... | ... | ... | ... | ... | ... | ... | 0'00 | 1'30 | ... | 0'00 | 0'00 | ... | 0'35 | 0'20 | ... | ... | 1'10 | 2'00 | 0'08 | ... |
| | | Papri ... | ... | ... | ... | ... | 0'34 | ... | ... | 3'04 | ... | ... | 0'24 | ... | 0'14 | ... | ... | 0'07 | 1'17 | 3'04 | 2'70 | ... |
| | | Motihari ... | ... | 0'05 | ... | ... | 0'19 | ... | 0'03 | 0'07 | 0'07 | 2'10 | 0'14 | ... | 0'15 | ... | ... | ... | 2'43 | 2'01 | 0'00 | ... |
| Saran ... | Bettiah ... | ... | ... | ... | ... | ... | 1'70 | 0'45 | 1'09 | 0'80 | 2'05 | ... | ... | ... | 0'34 | 0'03 | 0'77 | 0'50 | 1'32 | 1'40 | ... | |
| | Hugaha ... | 0'32 | ... | 0'06 | ... | ... | 2'09 | 0'50 | 1'24 | 2'46 | 2'22 | 0'01 | ... | ... | 0'02 | ... | 0'72 | 1'07 | 1'30 | 0'52 | ... | |
| | Burhara ... | 0'05 | ... | ... | ... | ... | ... | ... | 0'81 | 0'24 | 1'54 | 0'23 | ... | 0'08 | ... | ... | 0'71 | 0'50 | 0'74 | 0'31 | ... | |
| | Gopalgunge ... | 0'30 | ... | ... | ... | ... | ... | 0'05 | ... | 1'32 | ... | ... | ... | ... | 0'10 | ... | 0'50 | 0'30 | 0'74 | 0'15 | ... | |
| SOUTH BHAR | Shahabad ... | Sewan ... | ... | ... | ... | ... | ... | 0'03 | 0'41 | 0'00 | 0'13 | ... | 0'04 | ... | ... | 0'29 | 0'20 | 0'24 | 0'54 | 0'14 | 0'48 | ... |
| | | Chupra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0'09 | 0'15 | 2'58 | 0'50 | 0'30 | 0'20 |
| | | Buxar ... | 0'02 | 0'02 | ... | ... | ... | 0'01 | 0'03 | 0'14 | 0'02 | 0'09 | 1'02 | 2'74 | 0'31 | 0'04 | ... | 2'02 | ... | 2'10 | 0'84 | 0'00 |
| | | Dahree ... | 0'02 | 0'22 | ... | ... | ... | 0'00 | 0'10 | 0'12 | 0'17 | 0'34 | 0'34 | 0'07 | ... | 0'11 | ... | 0'05 | 0'03 | 0'41 | 2'00 | 0'00 |
| | Gya ... | Bhuboah ... | ... | 0'30 | ... | ... | ... | 0'45 | 0'70 | 0'23 | ... | 1'00 | 0'30 | ... | ... | ... | 0'30 | ... | 0'25 | 2'50 | 0'40 | 0'00 |
| | | Sasseram ... | ... | 0'34 | ... | ... | ... | 0'03 | 0'12 | ... | 0'05 | 0'27 | 1'25 | 0'76 | ... | ... | ... | ... | ... | 3'32 | 0'45 | 0'10 |
| | | Arrah ... | 0'08 | ... | 0'02 | ... | ... | ... | 3'35 | 2'00 | ... | 0'47 | 0'20 | ... | 1'45 | ... | ... | 0'04 | ... | 2'08 | 0'45 | 0'40 |
| | | Mohaniah ... | ... | ... | ... | ... | ... | 0'50 | 0'00 | ... | 0'00 | 0'00 | ... | ... | ... | ... | 0'00 | 0'32 | 1'04 | ... | ... | 7'10 |
| | Patna ... | Aurangabad ... | ... | 0'33 | ... | ... | ... | 0'04 | ... | 0'50 | 1'10 | 1'03 | 0'20 | 0'11 | 2'45 | ... | ... | 0'27 | ... | 0'40 | 1'41 | ... |
| | | Gya ... | 0'36 | 0'48 | ... | ... | ... | 0'00 | 2'02 | 4'35 | 0'34 | 1'24 | 0'22 | ... | 0'33 | 0'07 | 0'10 | ... | 1'17 | 0'24 | 0'42 | 0'10 |
| | | Nowadah ... | 0'02 | ... | ... | ... | ... | 0'12 | 2'03 | 0'03 | 1'20 | 0'15 | ... | 0'12 | 0'08 | ... | ... | ... | ... | 0'30 | 0'00 | 0'10 |
| | | Jehanabad ... | ... | ... | ... | 0'50 | ... | 1'40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Monghyr ... | Arwal ... | 0'30 | ... | ... | ... | ... | 0'50 | 0'10 | 0'30 | 0'10 | 0'20 | 0'40 | 0'12 | 0'14 | 0'20 | 0'00 | 0'40 | 0'70 | 1'22 | 0'10 | ... | |
| | Daudnagar ... | 1'25 | 0'50 | ... | ... | ... | 0'10 | ... | 0'20 | 0'40 | ... | 0'40 | 0'12 | ... | 0'05 | 0'32 | ... | ... | 1'32 | ... | ... | |
| | Sheerghati ... | ... | 0'10 | ... | ... | ... | 0'08 | 0'23 | 0'78 | 1'78 | 0'25 | 0'17 | 1'00 | 0'11 | 0'44 | 0'32 | ... | 0'05 | 0'40 | 1'05 | 0'00 | |
| | Rajauli ... | 0'06 | ... | ... | ... | ... | ... | ... | ... | ... | 3'25 | 0'40 | 0'80 | ... | 0'00 | 1'50 | ... | ... | 0'55 | 0'25 | 0'70 | |
| South Bhagulpore. | Pakri Bara- wan. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Patna ... | 0'06 | 0'16 | ... | ... | ... | 0'05 | 0'08 | 0'88 | 1'00 | 0'61 | 0'03 | 0'05 | 1'70 | 0'02 | ... | 0'05 | ... | 2'08 | 0'02 | 0'00 | |
| | Dinapore ... | ... | ... | ... | ... | ... | ... | 1'10 | ... | 0'35 | 0'46 | 0'35 | 0'37 | ... | ... | 0'10 | ... | 1'24 | 1'05 | 0'00 | 0'00 | |
| | Behar ... | 0'03 | 0'21 | ... | ... | ... | ... | 0'20 | 1'00 | 0'49 | 1'71 | 0'00 | ... | ... | 1'19 | 0'10 | ... | 0'60 | 0'74 | 0'12 | ... | |
| South Bhagulpore. | Barrh ... | ... | ... | ... | ... | ... | ... | 0'80 | 0'20 | ... | ... | ... | 0'16 | 0'24 | 0'40 | ... | 0'10 | 0'20 | 1'00 | ... | ... | |
| | Bickram ... | ... | 0'12 | ... | ... | ... | ... | 0'00 | 4'12 | 0'32 | 0'09 | 0'07 | ... | 0'73 | 0'05 | ... | 1'10 | ... | 3'05 | 0'04 | 0'14 | |
| | Hilga ... | 0'02 | ... | ... | ... | ... | 0'06 | 0'55 | 0'72 | 0'70 | 0'40 | 0'00 | 1'00 | 0'10 | ... | ... | 1'08 | ... | 2'01 | 0'55 | 0'50 | |
| | Bagoosai ... | ... | ... | 0'21 | ... | ... | 0'01 | ... | 0'24 | 0'20 | ... | 0'25 | 0'06 | ... | 0'46 | 0'57 | ... | ... | 1'20 | 0'12 | 0'00 | |
| South Bhagulpore. | Monghyr ... | ... | ... | 0'35 | ... | ... | 0'05 | ... | 0'03 | ... | 0'03 | 0'07 | 0'05 | ... | 0'13 | 0'12 | 1'73 | ... | 3'77 | 0'03 | 0'00 | |
| | Jamul ... | 0'44 | ... | ... | ... | ... | ... | ... | ... | 0'30 | 0'04 | 0'10 | 0'35 | 0'05 | 0'08 | 0'23 | ... | 0'29 | ... | 5'11 | 0'73 | 0'00 |
| | Gopri ... | ... | 0'07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0'06 | ... | ... | ... | ... | ... | 5'07 | ... | ... | |
| | Neshepara ... | ... | ... | ... | ... | ... | ... | ... | ... | 1'20 | 0'10 | ... | ... | ... | ... | ... | ... | ... | 1'20 | ... | ... | |
| South Bhagulpore. | Bhagulpore ... | 0'16 | ... | ... | ... | ... | 0'12 | 0'34 | 1'00 | 0'79 | 1'21 | 0'13 | 1'42 | 0'40 | 1'03 | ... | 0'23 | ... | 0'00 | 1'18 | ... | |
| | Banka ... | ... | ... | 0'05 | ... | ... | 0'45 | 0'08 | ... | 0'00 | 0'00 | ... | ... | 0'00 | ... | 0'10 | ... | ... | 1'04 | 1'07 | 0'10 | |
| | Koalgong ... | 0'10 | 0'30 | ... | ... | 0'60 | 0'50 | 1'40 | 1'42 | 0'77 | 0'54 | ... | 0'10 | 1'20 | ... | 0'10 | ... | 1'85 | 0'20 | 0'12 | 0'00 | |
| | Bongson ... | ... | ... | 0'28 | ... | ... | ... | ... | 2'30 | ... | ... | ... | ... | 1'05 | ... | ... | ... | 2'07 | 0'05 | ... | ... | |
| South Bhagulpore. | Rajmehar ... | ... | ... | ... | ... | 0'05 | ... | ... | 2'37 | 0'20 | 0'09 | 0'20 | 0'75 | ... | ... | 0'12 | ... | ... | 1'87 | ... | 0'00 | |
| | Godda ... | ... | ... | 0'08 | ... | ... | 0'21 | ... | 0'33 | ... | 2'10 | 0'03 | 0'14 | 0'40 | 1'78 | 0'00 | ... | ... | 1'55 | 0'05 | ... | |
| | Pakour ... | ... | 0'05 | 0'19 | ... | ... | 0'27 | 0'20 | 1'30 | 0'29 | 0'24 | 0'15 | 0'00 | 0'03 | 2'05 | 0'01 | ... | 1'00 | 0'73 | 0'13 | 0'00 | |
| | Nya Doomka ... | ... | 0'11 | 0'03 | 0'07 | 0'22 | 0'18 | 0'08 | 0'08 | 0'04 | 1'03 | 0'01 | 0'35 | ... | 0'00 | ... | ... | 3'91 | 0'41 | 0'20 | 0'00 | |
| South Bhagulpore. | Deochur ... | ... | 0'03 | ... | ... | ... | 0'30 | 0'07 | 0'09 | 0'08 | 0'22 | 0'23 | 0'23 | 0'72 | ... | 0'21 | ... | ... | 0'61 | 1'15 | 1'02 | 0'00 |
| | Jamtara ... | ... | 0'30 | 0'00 | ... | 0'15 | 0'19 | ... | 0'06 | 0'78 | 0'44 | 1'17 | 0'13 | ... | 0'14 | 0'20 | ... | 2'56 | 0'04 | 0'00 | 0'00 | |
| | Mohagana ... | ... | ... | ... | 1'13 | ... | ... | ... | ... | 1'00 | 0'85 | 1'02 | 0'05 | ... | ... | ... | 0'15 | ... | 2'12 | ... | ... | |
| | Nanihat ... | ... | ... | ... | ... | ... | ... | ... | 0'07 | 0'25 | 0'40 | 0'03 | ... | 0'21 | 0'05 | ... | ... | 1'00 | 1'05 | ... | ... | |
| CHUTIA MAG- PUR. | Hazaribagh ... | Pachanba (Gardi). | 0'27 | 0'21 | 0'44 | ... | ... | 0'07 | 0'03 | 1'05 | 0'05 | 0'06 | 0'03 | 1'10 | 0'38 | 0'02 | ... | ... | 0'02 | 0'07 | 0'10 | 0'00 |
| | | Hazaribagh ... | 1'16 | 1'11 | 0'15 | 0'06 | 0'05 | 0'00 | 1'33 | 0'07 | 0'02 | 0'33 | 0'00 | 0'73 | 0'02 | 0'32 | ... | ... | 0'05 | 2'22 | 0'27 | 0'10 |
| | | Semugurh ... | 0'45 | 0'22 | ... | ... | ... | 0'46 | 0'14 | ... | 0'10 | 1'00 | 0'10 | 0'12 | 2'22 | ... | ... | ... | 2'28 | 0'10 | 0'44 | ... |
| | | Mahuli Hills ... | 0'34 | 0'02 | ... | ... | ... | 1'04 | 0'21 | 1'05 | 0'02 | 0'23 | 0'25 | 0'25 | 0'50 | 0'14 | 0'30 | 0'05 | 3'71 | 0'07 | ... | ... |
| Lohardugga... | Shoomrah Hills ... | 0'00 | 0'10 | ... | ... | ... | 0'20 | ... | ... | 0'40 | 0'70 | ... | 0'70 | 0'70 | ... | 1'10 | 1'10 | 1'30 | 0'70 | 0'00 | ... | |
| | Barrh ... | 0'55 | 0'06 | ... | ... | ... | 0'25 | 0'46 | 0'10 | ... | 1'20 | 0'20 | 2'35 | ... | 1'00 | 0'10 | 0'70 | ... | 1'00 | 0'25 | 0'00 | |
| | Chitra ... | 0'03 | 0'00 | ... | ... | ... | 0'20 | 1'30 | 0'00 | ... | 0'02 | 1'00 | 0'45 | ... | 0'40 | 0'00 | ... | 0'75 | 0'40 | ... | ... | |
| | Karandaha ... | ... | ... | 0'10 | ... | ... | ... | 0'70 | 0'00 | 0'35 | 0'20 | 0'10 | 2'37 | 0'20 | 0'00 | ... | ... | 0'47 | 0'41 | 0'30 | 0'00 | |
| Ringbhoom ... | Manghar ... | 1'50 | 0'30 | ... | ... | ... | ... | ... | ... | 0'50 | 1'00 | 1'00 | ... | ... | ... | ... | ... | ... | 0'00 | ... | 0'00 | |
| | Lohardugga ... | 0'06 | 0'21 | ... | ... | ... | ... | 0'78 | 0'12 | ... | | | | | | | | | | | | |

rainfall for the month of July 1890—concluded.

| | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Number of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 1st January 1890 up to 31st July 1890. | Average rainfall from 1st January up to 31st July. | Station. | District. | Meteorological division. |
|-----|------|------|------|------|------|-------|------|------|------|------|-----------------------|-------------------------------|-------------------------------|---------------------------------|-------------------------------------|--|--|------------------|--------------------|--------------------------|
| 102 | 0.02 | 1.04 | 0.85 | 2.04 | 2.04 | 1.75 | 0.85 | 2.03 | 0.54 | 0.06 | 24 | 14.1 | 21.00 | 12.31 | 0.88 | 33.46 | 23.61 | Tajpore ... | Darbhanga ... | NORTH BHAR— conold. |
| 103 | 0.81 | 0.38 | ... | ... | ... | ... | ... | ... | ... | ... | 22 | 14.3 | 22.54 | 12.02 | 0.32 | 30.54 | 24.41 | Durbhanga ... | | |
| 104 | 0.30 | 0.20 | 0.32 | 3.15 | 1.50 | 3.51 | 1.78 | 1.30 | 1.36 | 0.56 | 10 | 13.0 | 24.24 | 10.54 | 4.13 | 41.02 | 24.90 | Madhubani ... | | |
| 105 | 1.05 | 1.65 | 1.75 | 0.30 | 2.05 | 0.35 | 1.25 | 0.77 | 0.12 | 0.10 | 21 | ? | 15.80 | ? | 2.05 | 35.53 | ? | Bahara ... | | |
| 106 | ... | 0.37 | 0.47 | 2.02 | 1.57 | 1.53 | 0.73 | 0.94 | 1.30 | 0.32 | 22 | 11.7 | 16.16 | 10.87 | 2.91 | 30.32 | 24.01 | Sitamarhi ... | Mouafferpore. | |
| 107 | 0.09 | 2.07 | ... | ... | ... | ... | ... | ... | ... | ... | 23 | 15.7 | 20.02 | 10.94 | 4.73 | 33.74 | 22.44 | Mouafferpore ... | | |
| 108 | ... | 0.12 | 0.51 | 0.62 | 1.11 | 1.18 | 0.19 | 2.05 | 0.52 | 1.57 | 20 | 16.9 | 10.41 | 12.21 | 2.95 | 31.07 | 22.46 | Hajipore ... | | |
| 109 | ... | 0.40 | 0.10 | 2.35 | 3.00 | 2.30 | 0.35 | 1.50 | 0.30 | 0.14 | 19 | ? | 22.14 | ? | 3.96 | 37.45 | ? | Pana ... | | |
| 110 | ... | ... | 0.97 | 0.78 | 2.00 | 2.32 | 1.12 | ... | 0.45 | ... | 17 | ? | 17.73 | ? | 2.75 | 31.00 | ? | Minha ... | | |
| 111 | ... | ... | ... | 2.50 | 1.10 | 2.30 | 0.50 | 0.02 | 2.10 | 0.20 | 16 | ? | 10.58 | ? | 2.80 | 31.84 | ? | Sinhar ... | | |
| 112 | ... | 0.40 | ... | 1.90 | 1.72 | 3.00 | 1.13 | 0.76 | 0.70 | 0.17 | 16 | ? | 20.11 | ? | 3.04 | 34.44 | ? | Pupri ... | | |
| 113 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Matihari ... | Chumbaran. | |
| 114 | 0.03 | 0.20 | 0.32 | 3.03 | 1.88 | 3.21 | 0.21 | 0.60 | 0.17 | 0.05 | 22 | 13.6 | 22.40 | 12.00 | 3.53 | 38.26 | 23.21 | Benah ... | | |
| 115 | 0.02 | 0.10 | 1.02 | 0.21 | 3.56 | 3.91 | 0.31 | 2.51 | 1.36 | 0.25 | 23 | ? | 20.87 | ? | 5.91 | 40.05 | ? | Rajpura ... | | |
| 116 | ... | 0.68 | 0.10 | 2.38 | 4.40 | 4.43 | 0.18 | 0.03 | 2.23 | 0.09 | 20 | ? | 20.40 | ? | 4.40 | 38.06 | ? | Burkura ... | | |
| 117 | ... | 0.40 | ... | 1.74 | 1.24 | 1.34 | 1.70 | 3.60 | 0.27 | 0.84 | 16 | 15.3 | 15.30 | 12.75 | 3.60 | 20.13 | 23.54 | Gopalgunge ... | Saran. | |
| 118 | 0.31 | 1.81 | 0.40 | 1.51 | 1.13 | 0.64 | 2.29 | 0.13 | 1.36 | 0.58 | 23 | 16.0 | 17.70 | 11.05 | 3.81 | 33.08 | 21.87 | Sewna ... | | |
| 119 | 0.03 | 0.93 | 0.40 | 1.51 | 1.08 | 0.10 | 3.60 | 3.39 | 0.78 | 0.04 | 23 | 16.8 | 15.70 | 10.85 | 3.60 | 31.83 | 20.36 | Chuprah ... | | |
| 120 | ... | 1.36 | 0.90 | 0.15 | 0.02 | 0.17 | 0.45 | 1.30 | 0.33 | 0.11 | 25 | 17.3 | 14.74 | 11.07 | 2.74 | 26.37 | 18.30 | Huzar ... | | Shahabad ... |
| 121 | 1.70 | 0.40 | 1.50 | 0.91 | 0.52 | 1.20 | 0.05 | 0.22 | 0.10 | 0.23 | 23 | 18.0 | 12.03 | 11.25 | 1.90 | 23.05 | 18.07 | Dohra ... | | |
| 122 | 1.40 | 0.80 | 0.40 | 0.15 | 1.25 | 0.50 | 0.85 | 0.20 | 0.06 | ... | 20 | 16.0 | 12.55 | 11.37 | 2.59 | 22.76 | 20.42 | Bhuswah ... | | |
| 123 | 0.74 | 1.10 | 1.30 | 0.25 | 1.68 | 0.05 | 0.58 | 0.32 | 0.11 | 19 | 17.0 | 13.55 | 11.54 | 3.32 | 24.87 | 19.15 | Sasaram ... | | | |
| 124 | ... | 0.05 | 4.20 | 2.35 | 1.25 | 0.48 | 0.20 | 0.23 | 0.16 | 0.06 | 22 | 17.8 | 28.44 | 13.02 | 7.10 | 42.05 | 22.00 | Arrah ... | | |
| 125 | 2.00 | 1.10 | ... | ... | 0.90 | 0.40 | 1.10 | ... | 1.40 | 1.36 | 14 | ? | 13.16 | ? | 2.00 | 20.80 | ? | Rohaniah ... | | |
| 126 | ... | 0.53 | 1.00 | 1.27 | 0.67 | ... | 1.30 | 0.65 | 0.10 | 0.05 | 20 | 15.4 | 14.01 | 12.39 | 2.43 | 24.44 | 20.70 | Aurangabad ... | Gya. | |
| 127 | 0.60 | 2.98 | 1.04 | 1.08 | ... | 1.38 | 1.28 | 0.52 | 0.00 | 0.35 | 23 | 16.4 | 21.37 | 11.81 | 4.36 | 33.07 | 21.16 | Gya ... | | |
| 128 | 1.13 | 0.31 | 0.21 | 1.44 | 0.09 | 1.05 | 0.19 | 0.10 | 0.09 | 0.09 | 23 | 14.8 | 18.95 | 11.87 | 3.30 | 36.03 | 21.07 | Nawadsh ... | | |
| 129 | ... | 1.44 | 1.41 | 0.63 | 0.08 | 0.41 | 0.57 | 0.30 | 0.03 | 0.21 | 21 | 14.5 | 16.25 | 12.23 | 3.04 | 34.12 | 20.41 | Jehanabad ... | | |
| 130 | 0.50 | 0.25 | 0.85 | 0.10 | 1.01 | ... | 0.40 | 0.70 | 1.00 | 0.90 | 26 | ? | 11.80 | ? | 4.00 | 35.08 | ? | Arwal ... | | |
| 131 | ... | 0.83 | ... | 0.35 | ... | 1.00 | 0.80 | ... | 0.35 | 0.50 | 17 | ? | 9.68 | ? | 1.32 | 16.67 | ? | Daudnagar ... | | |
| 132 | 0.23 | 0.27 | 1.40 | 0.30 | 1.00 | 1.20 | ... | 0.33 | ... | ... | 23 | ? | 13.37 | ? | 1.70 | 26.43 | ? | Shreeghati ... | | |
| 133 | ... | ... | 0.80 | 0.30 | ... | 2.80 | 0.10 | 0.62 | 0.33 | ... | 16 | ? | 14.00 | ? | 3.25 | 23.43 | ? | Rasauli ... | | |
| 134 | ... | 0.33 | 0.57 | 0.88 | 0.88 | 1.80 | 0.11 | 2.78 | 0.12 | 1.74 | 24 | 18.1 | 17.41 | 10.60 | 2.90 | 28.71 | 20.83 | Pakri Bara ... | | |
| 135 | 0.23 | 0.34 | 1.10 | 0.70 | 1.80 | 0.10 | 0.81 | 0.11 | 0.26 | 0.26 | 21 | 16.2 | 14.85 | 11.71 | 1.95 | 25.70 | 21.06 | Patna ... | Patna. | |
| 136 | 0.90 | 1.03 | 0.60 | 0.77 | 3.90 | 0.12 | 0.88 | 0.12 | 0.92 | 0.22 | 22 | 18.4 | 15.45 | 13.04 | 3.20 | 28.18 | 23.12 | Dinapore ... | | |
| 137 | 0.50 | 0.30 | 0.80 | 0.70 | 3.50 | 0.42 | 1.20 | 0.05 | ... | ... | 18 | 15.2 | 13.74 | 12.78 | 3.50 | 23.14 | 21.29 | Behar ... | | |
| 138 | ... | 1.05 | 3.11 | 0.35 | 1.43 | 0.33 | 0.22 | 0.07 | 0.03 | 0.02 | 22 | ? | 22.48 | ? | 4.12 | 37.43 | ? | Barrha ... | | |
| 139 | ... | 0.10 | 0.10 | 0.27 | 0.18 | ... | ... | 0.98 | 0.87 | 0.05 | 21 | ? | 13.70 | ? | 2.51 | 30.50 | ? | Buckram ... | | |
| 140 | ... | 0.05 | 0.13 | 1.23 | 2.40 | 0.32 | 3.27 | 0.58 | 1.29 | 1.20 | ... | ... | ... | ... | ... | ... | ... | Hidga ... | | |
| 141 | 0.90 | 0.25 | 2.00 | 0.80 | 0.80 | 0.40 | 0.80 | 0.50 | 0.07 | 0.52 | 22 | 18.4 | 18.43 | 11.72 | 5.00 | 37.42 | 23.40 | Monghyr ... | Monghyr. | |
| 142 | 0.10 | 1.24 | 0.58 | 1.20 | 2.16 | 0.07 | 0.52 | 2.72 | 0.18 | 0.23 | 23 | 18.1 | 21.53 | 12.30 | 3.11 | 41.44 | 23.02 | Jamui ... | | |
| 143 | ... | 2.43 | 0.68 | 2.49 | 1.20 | 0.55 | ... | 1.27 | 2.00 | 0.40 | 18 | ? | 25.30 | ? | 6.55 | 45.80 | ? | Gopri ... | | |
| 144 | ... | ... | 0.63 | ... | 0.01 | ... | 1.00 | 0.40 | 0.60 | ... | 9 | ? | 11.04 | ? | 2.70 | 20.83 | ? | Sheikpura ... | | |
| 145 | ... | 0.03 | 1.59 | 0.30 | 0.90 | ... | 2.11 | 0.37 | 1.35 | 0.33 | 23 | 18.8 | 17.83 | 11.60 | 3.11 | 33.26 | 24.74 | Bhagalpore ... | South Bhagalpore. | |
| 146 | 1.50 | 0.70 | 0.50 | 0.67 | ... | 1.10 | 0.32 | 0.64 | 0.66 | 0.85 | 21 | 18.0 | 12.30 | 10.42 | 1.67 | 28.08 | 22.48 | Ranka ... | | |
| 147 | 0.19 | 0.30 | 0.40 | 0.64 | 2.50 | 0.50 | 0.82 | ... | 0.22 | 0.20 | 21 | ? | 20.33 | ? | 7.60 | 39.46 | ? | Kolgong ... | | |
| 148 | ... | ... | 2.00 | 4.13 | 1.14 | 13.83 | ... | ... | ... | ... | 10 | ? | 23.20 | ? | 13.83 | 42.33 | ? | Dangson ... | | |
| 149 | 0.53 | ... | 0.99 | 0.18 | 0.83 | 0.01 | ... | 0.30 | 0.25 | 0.40 | 18 | 16.5 | 10.07 | 12.91 | 3.37 | 27.00 | 20.34 | Rajmehal ... | Nonthal Pergunnah. | |
| 150 | 1.70 | 0.60 | 0.20 | 0.55 | ... | 2.50 | 0.03 | 0.76 | 0.25 | 0.20 | 21 | 17.4 | 17.18 | 11.21 | 2.65 | 35.47 | 23.24 | Gadda ... | | |
| 151 | 0.47 | 0.04 | 1.36 | 0.23 | 0.24 | 1.18 | 0.30 | 0.31 | 0.30 | 0.10 | 27 | 17.7 | 13.40 | 13.40 | 2.05 | 43.60 | 31.32 | Pakour ... | | |
| 152 | 0.46 | 0.23 | 0.07 | 0.09 | 0.40 | 1.13 | 0.15 | 0.75 | 0.32 | 0.40 | 27 | 24.2 | 14.11 | 13.40 | 3.91 | 30.70 | 27.01 | Nya Dookma ... | | |
| 153 | 1.3 | 0.08 | 0.19 | 0.13 | 1.20 | 1.22 | 0.06 | 0.27 | 3.72 | 0.21 | 25 | 21.7 | 17.40 | 13.44 | 3.72 | 30.88 | 27.31 | Deoghur ... | | |
| 154 | 1.72 | ... | 1.95 | 0.72 | 0.23 | 0.20 | 0.23 | 1.11 | 0.83 | 1.22 | 25 | 20.4 | 16.41 | 13.64 | 2.65 | 40.38 | 27.10 | Jamtara ... | | |
| 155 | ... | 1.03 | 0.34 | 0.83 | 0.12 | 0.55 | 0.43 | 0.38 | 0.85 | 0.61 | ... | ... | ... | ... | ... | ... | ... | Mohapama ... | | |
| 156 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Namhat ... | | |
| 157 | 1.60 | 1.00 | 0.10 | 0.43 | 0.57 | 0.43 | 0.02 | 0.70 | 1.73 | 0.02 | 27 | 23.3 | 10.38 | 13.29 | 3.73 | 36.45 | 25.75 | Pachamba ... | Hazaribagh ... | |
| 158 | 1.64 | 3.30 | 3.22 | 0.23 | 0.00 | 0.76 | 0.47 | 0.68 | 0.10 | 0.10 | 20 | 24.3 | 20.00 | 13.01 | 3.39 | 30.44 | 25.00 | (Giridh) ... | | |
| 159 | 0.52 | 0.30 | 0.34 | 0.44 | 0.55 | 0.70 | 0.54 | 0.10 | 0.28 | ... | 22 | 16.7 | 14.14 | 11.78 | 2.86 | 24.01 | 25.48 | Hazaribagh ... | | |
| 160 | 0.30 | 1.10 | 2.70 | 0.90 | 3.80 | 0.10 | 0.70 | 0.60 | 0.40 | 0.20 | 28 | 21.7 | 20.50 | 16.87 | 3.50 | 35.60 | 31.28 | Somnagarh ... | | |
| 161 | 1.70 | 2.10 | 1.63 | 0.23 | 1.90 | 0.40 | 0.10 | 0.15 | 0.06 | ... | 25 | ? | 17.41 | ? | 2.33 | 27.43 | ? | Mahuli | | |

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE MONTH OF JULY 1890.**

The chief peculiarities in the weather of July have been—

1. The uniformly low pressure which obtained during the greater part of the month, the only occasion when excess continued for any considerable time being during the last week, when there was excess of from two to four hundredths of an inch in the southern districts, and of less than two hundredths in North Bengal, Behar and Chutia Nagpur. The mean defect for the month was generally between .01 inch and .02 inch in Lower Bengal, and between .02 inch and .05 inch in the northern districts.

2. Low temperature has prevailed. The month commenced with almost normal temperature, but after the first week there was always a considerable deficiency, especially in the northern half of the province, where unusually heavy rain has been falling. Defect increased towards the end of the month, and during the last week varied from 1.6° in Orissa to 3.6° in North Behar. The mean defect for the month is therefore considerable, being between $.6^{\circ}$ and 1° in Lower Bengal and about 1.5° in the northern half.

3. Ordinary monsoon weather has prevailed with practically no intervals of disturbed weather. Rain has fallen in Orissa and South West Bengal on about the normal number of days, but in Behar and North Bengal the number is from four to six above the average, while the amount of rain received has been very largely above the normal in the Northern districts, especially over the Himalayas, and considerably above in the other districts, except Orissa and South-West Bengal.

4. The absence of the small cyclonic storms which usually form during the rainy season has been very marked, one depression occurring at the beginning of the month and another very unimportant whirl about the middle.

Cyclonic storm from June, 28th, to July, 2nd.—The depression began to form on June, 28th, and then appeared as a local shallow low pressure area over Orissa and South-West Bengal, the lowest pressure within it being 29.585 inches at Balasore. Westerly winds were blowing at Cuttack and False Point, and the easterly element in directions had become more pronounced in South-West Bengal, while rainfall was only light and local in Lower Bengal. On the following day pressure fell briskly everywhere; the cyclonic circulation became more distinct and the centre was still over the land between Balasore and Calcutta. After this a somewhat rapid deepening set in to the south-east of the depression, the largest changes being in Arakan, and a trough of low pressure extended from the Bay in a northerly direction. The centre was to the east of False Point and south of Saugor Island, and stormy weather, with heavy rain squalls, prevailed over the northern half of the Bay, but over the greater part of Bengal rainfall had almost ceased. On the 1st of July the storm had developed, the greatest difference of pressure from the south-east to north-west of the Bay being nearly half an inch. Gradients were therefore steeper, and a slow westerly motion was taking the depression towards the Orissa coast, so as to pass near False Point. The storm area crossed the coast during the evening of this day, and after the passage of the centre, when pressure at False Point fell to 29.09 inches, a southerly gale blew at all the coast stations. A very rapid rise of pressure followed immediately afterwards, not only in the north-west of the Bay, but over the whole of Bengal, and from being largely below the normal an excess of about two-tenths of an inch accumulated in 28 hours. From about 9 P.M. on the 1st, when the storm centre was near False Point, to 8 A.M. on the 2nd, pressure rose about half an inch, and in the eastern districts of Bengal the rise amounted to nearly two-tenths of an inch. These rapid changes of pressure seem to have had an important influence in preventing the in-rush of moist southerly winds, which usually follows depressions of even less intensity than this over the western districts of Bengal, as a westerly current commenced and shortly became general over the whole province, comparatively fine weather prevailing from the 3rd to the 5th.

After the rapid rise of pressure, which continued till the 4th, a slow steady fall set in over the whole province, and lowest pressure being in North Bengal and gradients rather steep, strong south-westerly winds blew at the head of the Bay and in Lower Bengal. Westerly winds blew for a day or two in the northern districts, but by the 7th easterly directions again prevailed, in consequence of the displacement of the area of lowest pressure towards the west. From this date till the 18th ordinary monsoon weather was unbroken, and is noteworthy only because of the weak monsoon which blew in the west of the Bay, while in East and North Bengal and Behar very heavy rain fell almost without interruption. Falls were usually heavy in the Barjeeling Hills and adjacent plains from the 14th to the 18th, with the exception of the 16th. The absence of rain in the western districts was probably due to the comparatively dry westerly current which had been blowing from central India, generally extending as far east as the centre of South-West Bengal, and on the 17th as far as Rungpore and Dhubri.

From the 19th till nearly the end of the month conditions were influenced by the shallow depression which, commencing to form in the north-west corner of the Bay on that day, moved towards the mouth of the Hooghly, and thence in a north-westerly direction over Chutia Nagpur. On the 20th the centre was close to Saugor Island, and pressure was under 29.4 inches; on the 21st the area of lowest pressure lay to the west of Burdwan and was almost unchanged in intensity from the previous day; while by 8 A.M. on the following day it had passed out of the province and lay well to the west of Hazaribagh and Gya. It

remained in the North-Western Provinces till the 24th when it filled up, the trough of low pressure at the same time closing up towards the Himalayas, and a steady south-westerly current blew over the whole province, giving heavy rain in all districts. On the 28th pressure fell briskly, and the distribution becoming more normal and uniform, easterly winds again set in and continued till the end of the month.

Strength of the monsoon.—The strength of the monsoon current blowing from the Bay over Bengal from year to year can only be judged by the wind velocities at the coast stations. In the table below are given the means of the actual daily wind velocities for July 1889 and 1890, compared with the normal values for the same month at representative stations on or near the coast line from Akyab to Gopalpore, at which wind observations have been taken for a sufficient length of time to give reliable averages. It will be seen that the only stations where velocity is under the average are Chittagong and Calcutta, and that the difference for these two is small while at all the others, except Akyab, there has been a large excess, amounting at Gopalpore to 110 miles per day and at Saugor Island to 96 miles. The strength of the monsoon current during this year has so far, therefore, been considerably above that of average years.

| STATIONS. | Actual average wind velocity for July 1889. | Actual average wind velocity for July 1890. | Normal wind velocity in July. | Variation of wind velocity for July 1890 from the normal. |
|-------------------|---|---|-------------------------------|---|
| | Miles per day. | Miles per day. | Miles per day. | |
| Akyab ... | 120 | 120 | 105 | + 15 |
| Chittagong ... | 132 | 149 | 132 | — 18 |
| Dacca ... | 138 | 202 | 145 | + 57 |
| Calcutta ... | 91 | 102 | 130 | — 28 |
| Saugor Island ... | 408 | 502 | 406 | + 96 |
| False Point ... | 303 | 324 | 280 | + 44 |
| Gopalpur ... | 348 | 410 | 300 | +110 |

Pressure.—Changes were very large at the beginning of the month, and on the 1st a defect of nearly a quarter of an inch had accumulated in the neighbourhood of the depression. On the 2nd a very rapid rise was general in all districts except South Behar, exceeding .2 inch in parts of Assam and East Bengal and .15 inch in Orissa, South-West Bengal, and North Bengal. On the 3rd the rise was still more rapid in Orissa and Chutia Nagpur, and varied from .22 inch to .28 inch, but in the other districts it was much smaller and practically zero in North Bengal and Assam. On the 4th a very rapid fall prevailed, the resulting distribution being almost normal. As these rapid changes counterbalanced each other, the mean pressure during these days did not differ much from the normal, and as ordinary small oscillations followed till the middle of the month, large differences from the normal did not again occur. A rapid fall occurred on the 17th, followed by a slow steady rise for some days, after which small upward and downward changes rarely exceeding a twentieth of an inch, alternated till the end of the month. The means for the month are very nearly normal in East Bengal, and below the normal in the other districts by amounts varying from one to four hundredths of an inch.

Temperature.—During the first five days was two or three degrees above the normal over the greater part of the province, but after that it has been almost without a break, considerably below in the northern districts, and slightly below in Lower Bengal except in Orissa and the adjacent part of South-West Bengal where, owing to the more scattered rainfall, temperature was at times slightly in excess. Defect in North Bengal and North Behar was very large at times, and during the last week the day temperatures were unusually low, the difference from the normal maximum temperature being at times very little under 10°, while defect in mean temperature was from 4° to 6°. On the 28th maximum temperature at Purneah was 10° below the normal, at Patna 9·8°, Arrah 9·1°, Rungpore 8·9°, and Chupra 8·6°; on the 29th at Arrah 9·1°, Buxar 8·7° and Chupra 8·5°; on the 30th at Durbhunga, Motihari, Patna, and Buxar defect was 8° or more. The monthly means, in consequence of these steady low temperatures, are largely below the normal in all districts except in Orissa and South-West Bengal, where defect is, however, over half a degree. Defect in South Behar is 1·6°, in North Behar, Chutia Nagpur, and Assam 1·4°, and in East and North Bengal .9°.

Rainfall.—Has been unusually heavy in all the northern districts, and moderately heavy in Chutia Nagpur and East Bengal, but in Orissa and South-West Bengal the falls have been very nearly normal, defect being nearly half an inch in the former and excess only .2 inch in the latter, with an average fall of about 12 inches. The average falls in the other districts are very uniform, North Behar receiving 21·45, East Bengal 19·87, North Bengal 18, South Behar 16·28, and Chutia Nagpur 15·1 inches. Excess is largest in North Behar, amounting there to 9·1 inches, and in the other districts it varies from 4·26 inches in South Behar to 12 inches in Chutia Nagpur. The districts where the amounts reported from the various stations show the greatest diversity are North Bengal and East Bengal, falls at the hill stations in the former rising to more than 70 inches, while in the plains one or two stations report about 10 inches. In East Bengal the range is from 10 inches to a little over 50 inches.

The comparison of the actual rainfall of the seven meteorological divisions of the province is most accurately shown in the form of a percentage. The figures representing the rainfall for the month calculated in this way are included in the table below under the heading of July. This table gives a condensed summary of the rainfall statistics of the present year up to date for each division, the first seven columns giving the actual rainfall in each month expressed as a percentage of the normal, while the eighth column shows the actual rainfall for the first seven months expressed as a percentage of the normal for the same period. It will be seen that, with the exception of East Bengal in June and Orissa in July, the rainfall during the monsoon season has been considerably in excess, and that, notwithstanding the very deficient rainfall during the early part of the year, the average amount from the beginning of the year has been exceeded in all districts by 2 to 4 per cent. in Lower Bengal, 9 per cent. in Chutia Nagpur, 17 per cent. in North Bengal, and 40 per cent. in Behar.

| METEOROLOGICAL DIVISIONS. | January. | February. | March. | April. | May. | June. | July. | Actual rainfall of first seven months of 1890, expressed as a percentage of the normal fall for the period. |
|---------------------------|----------|-----------|--------|--------|------|-------|-------|---|
| Orissa ... | 24 | 5 | 216 | 20 | 99 | 124 | 97 | 103 |
| South-West Bengal | 98 | Nil | 39 | 75 | 87 | 141 | 102 | 104 |
| East Bengal ... | 184 | 4 | 70 | 122 | 102 | 89 | 120 | 102 |
| North Bengal ... | 98 | Nil | 26 | 155 | 81 | 132 | 120 | 117 |
| North Behar ... | 38 | 2 | 25 | 40 | 95 | 140 | 174 | 141 |
| South Behar ... | Nil | 5 | 63 | 80 | 95 | 183 | 136 | 138 |
| Chutia Nagpur ... | Nil | Nil | 120 | 1 | 65 | 182 | 116 | 109 |

With the exception of the south of Orissa and the south-east corner of East Bengal, actual falls have generally increased from the south towards the north. Over a band of country, including the south of Chutia Nagpur, Balasore, the greater part of Midnapur and the 24-Pergunnahs, Howrah, Hooghly, and Jessore, falls have been under 10 inches, and in the other parts of these districts between 10 and 20 inches, frequently about 15 inches. In Chittagong amounts vary from 33·8 at Satkanya to 51·28 inches at Chittagong station, in Chittagong Hill Tracts and Noakhally from 20 to 25 inches, but Hurrishpur reports 46·2 inches. Elsewhere in East Bengal falls are generally between 15 and 20 inches, increasing in the Mymensingh district where the heaviest fall is 29·9 inches at Durgapur. In Pubna, Bogra, Rajshahye, Maldah, Dinagepur, and Rungpur falls are between 10 and 15 inches, but in Julpigoree, Cooch Behar, and the Darjeeling Hills rainfall has been unusually heavy, Kurseong receiving 71·4, Silliguri 69·6, Buxa 60, Darjeeling, Bhagatpur and Kalimpong between 50 and 60, Julpigoree, Fallacatta, and Matabhanga more than 40 inches. In North Behar amounts have been very uniform, very rarely under 20 inches, and over 25 at Kaliaganj, Soopool, and Bagaha only. In South Behar falls are generally between 12 and 18 inches, the stations receiving more than 20 inches being Arrah 28, Gya 21·6, Bickram 22·5, Jamui 21·5, Gogri and Bongaon 28 and Kolgong 21 inches.

Rainfall has been deficient over a very small portion of the country, and as in those districts where these relatively light falls have been recorded, others considerably above the normal have occurred, the means are below the normal in Orissa only. The districts where there is either a small excess or deficient rainfall are Orissa (defect large in Balasore); Midnapur, 24-Pergunnahs, Howrah, the greater part of Burdwan, Nuddea, Khoolna and Jessore in South-West Bengal; Backergunge, Furreedpore, and Dacca in East Bengal; Bogra and Rungpore in North Bengal; Singbhoom and Manbhoom in Chutia Nagpur. On the other hand, excess is more than 5 inches at scattered stations in Lower Bengal and South Behar, from 5 to 10 inches at almost all stations in North Behar, 12·87 inches at Buxa, 15·4 at Julpigoree, 18·9 at Matabhanga, 25·29 at Kalimpong, 28·27 at Darjeeling, and 36·78 at Silliguri.

The following table gives full data for the comparison of the actual and normal rainfall for July in all districts. The first column gives the normal rainfall, the second the actual district rainfall as determined from the weighted rainfalls of the month, the third expresses

the percentage of actual to normal rainfall, and the fourth the excess or defect per cent. of normal :—

Percentage Table for July 1890.

| DIVISION. | DISTRICT. | Normal district rainfall for July. | Actual district rainfall for July 1890. | Percentage of actual to normal rainfall. | Percentage excess (+), defect (—). |
|-------------------|--------------------|------------------------------------|---|--|------------------------------------|
| Orissa | Pooree | 10.65 | 16.79 | 158 | + 58 |
| | Cuttack | 12.20 | 13.27 | 109 | + 9 |
| | Balasore | 12.20 | 6.72 | 55 | — 45 |
| | Midnapore | 13.76 | 6.47 | 47 | — 53 |
| | 24-Pergunnahs | 12.97 | 8.94 | 69 | — 31 |
| | Howrah | 13.13 | 7.34 | 55 | — 45 |
| | Hooghly | 12.71 | 9.74 | 77 | — 23 |
| South-West Bengal | Burdwan | 11.80 | 16.56 | 140 | + 40 |
| | Bankoora | 13.12 | 16.20 | 123 | + 23 |
| | Beerbhoom | 12.85 | 14.93 | 116 | + 16 |
| | Nuddea | 10.43 | 11.79 | 112 | + 12 |
| | Khoolna | 13.45 | 12.95 | 96 | — 4 |
| | Jessore | 10.55 | 10.84 | 103 | + 3 |
| | Moorshedabad | 11.00 | 17.37 | 158 | + 58 |
| East Bengal | Chittagong | 28.52 | 40.23 | 173 | + 73 |
| | Backergunge | 18.78 | 19.70 | 105 | + 5 |
| | Noakholly | 21.82 | 29.26 | 134 | + 34 |
| | Furzedpore | 12.40 | 11.09 | 89 | — 11 |
| | Dacca | 13.84 | 15.35 | 111 | + 11 |
| | Tipperah | 16.27 | 17.82 | 117 | + 17 |
| | Mymensingh | 13.55 | 17.16 | 132 | + 32 |
| North Bengal | Pabna | 10.83 | 10.60 | 98 | — 2 |
| | Bogra | 13.69 | 13.39 | 98 | — 2 |
| | Rajshahye | 11.82 | 20.54 | 174 | + 74 |
| | Maldah | 11.50 | 11.29 | 98 | — 2 |
| | Dinagopore | 12.14 | 16.90 | 139 | + 39 |
| | Rungpore | 13.90 | 14.30 | 103 | + 3 |
| | Cooch Behar | 20.09 | 29.08 | 145 | + 45 |
| North Behar | Jalpigore | 26.06 | 41.46 | 159 | + 59 |
| | Darjeeling | 30.36 | 58.96 | 194 | + 94 |
| | Purneah | 15.47 | 21.44 | 139 | + 39 |
| | North Bhagulpore | 11.61 | 25.20 | 217 | + 117 |
| | Durbhunga | 11.60 | 23.12 | 191 | + 91 |
| | Mozufferpore | 11.26 | 20.44 | 181 | + 81 |
| | Chumparun | 12.12 | 23.26 | 192 | + 92 |
| South Behar | Saran | 11.41 | 17.56 | 154 | + 54 |
| | Shahabad | 11.97 | 16.72 | 140 | + 40 |
| | Gya | 11.83 | 18.14 | 153 | + 53 |
| | Patna | 12.12 | 16.66 | 129 | + 29 |
| | Monghyr | 11.89 | 18.88 | 159 | + 59 |
| | South Bhagulpore | 10.91 | 14.72 | 135 | + 35 |
| | Sonthal Pergunnahs | 12.97 | 16.99 | 129 | + 29 |
| Chutia Nagpur | Hazaribagh | 13.40 | 17.68 | 132 | + 32 |
| | Lohardugga | 12.94 | 16.13 | 125 | + 25 |
| | Singbhoom | 14.00 | 9.42 | 67 | — 33 |
| | Manbhoom | 11.53 | 11.16 | 97 | — 3 |

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of July 1890 :—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | | | RAINFALL. | | | | | | |
|------------------------------|--------------------------------|-------------------------------|-------------------------|------------------------|-----------------------|--|-----------|-----------------|------------|--------------------------|---------------------------------|------------|----------------------|-----------------|
| | Highest observed during month. | Lowest observed during month. | Averages for month. | | | Average mean of month above or below normal mean of month. | Of month. | | | Rainy days. | | | Since 15th May 1899. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in month. | Normal average number in month. | Variation. | Average. | Normal average. |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Orissa | 84.9 | 72.8 | 80.9 | 75.6 | 83.7 | -0.7 | 12.05 | 12.48 | -0.43 | 17.1 | 17.9 | -0.8 | 36.37 | 33.43 |
| South-West Bengal | 86.3 | 74.8 | 82.5 | 75.3 | 83.4 | -0.8 | 12.30 | 12.00 | +0.30 | 31.3 | 19.9 | +1.3 | 30.56 | 24.86 |
| East Bengal | 91.7 | 70.0 | 80.8 | 75.7 | 81.3 | -0.3 | 10.37 | 16.51 | +6.14 | 25.2 | 23.3 | +1.9 | 45.02 | 39.13 |
| North Bengal | 95.8 | 74.1 | 87.6 | 78.0 | 83.0 | -0.9 | 18.23 | 14.04 | +4.19 | 23.7 | 18.4 | +5.3 | 44.20 | 37.03 |
| North Behar | 96.3 | 74.0 | 85.1 | 75.8 | 83.3 | -1.4 | 21.45 | 12.34 | +9.11 | 21.4 | 15.7 | +5.7 | 34.73 | 23.91 |
| South Behar | 89.0 | 70.0 | 87.4 | 78.1 | 83.8 | -1.0 | 10.24 | 12.03 | +1.79 | 22.3 | 17.8 | +4.5 | 30.11 | 20.33 |
| Chutia Nagpur | 87.5 | 68.4 | 83.3 | 73.3 | 77.3 | -1.4 | 15.10 | 12.00 | +3.10 | 23.7 | 21.4 | +2.3 | 20.78 | 22.74 |
| Assam | 97.1 | 74.3 | 87.6 | 77.1 | 82.4 | -1.4 | | | | | | | | |

* Chyabass not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 12th August 1890.

C. LITTLE,
Offg. Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

| METEOROLOGICAL DIVISION. | | | STATION OBSERVATIONS. | | | | | | | | | | | | | | |
|--------------------------|------------------------|------------------|-----------------------|-------------------------|--------------------------------|--------------------------------------|----------------------|-----------------------|---------------------|----------------------|--------------------------|---------------------|-------|---------------------------|-----------------------------------|---------------------------------|-------------------------------------|
| | | | District. | Representative station. | AIR PRESSURE. | | | WIND. | | TEMPERATURE. | | | | | | | |
| | | | | | Mean barometric height, 8 A.M. | Mean reduced to sea-level. | Variation from mean. | Prevailing direction. | Mean wind velocity. | Highest during week. | Date. | Lowest during week. | Date. | Mean maximum temperature. | Mean minimum temperature of week. | Mean daily temperature of week. | Variation from normal mean of week. | Mean 8 A.M. temperature. |
| ORISSA. | Pooree | Pooree | 29.632 | 29.644 | — | Calm | 286 | 80.7 | 3 to 5 Aug. | 78.1 | 7th Aug. | 89.0 | 79.3 | 84.2 | — | 82.0 | |
| | Gopalpur | Gopalpur | 29.613 | 29.630 | +0.018 | N | 226 | 88.2 | 7th | 78.8 | 6th & 7th Aug. | 83.6 | 79.6 | 82.3 | -1.3 | 80.0 | |
| | False Point | False Point | 29.628 | 29.630 | +0.002 | Variable | 216.0 | 87.4 | 5th to 7th Aug. | 77.6 | 4th & 7th Aug. | 86.0 | 78.6 | 82.7 | +0.7 | 83.4 | |
| | Cuttack | Cuttack | 29.675 | 29.688 | +0.013 | Variable | 84.3 | 91.9 | 3rd | 77.9 | 7th | 90.2 | 79.3 | 84.3 | +1.0 | 83.2 | |
| | Balasore | Balasore | 29.608 | 29.607 | +0.001 | Variable | 85.9 | 90.4 | 6th | 78.7 | 6th | 88.3 | 76.8 | 82.7 | +0.7 | 82.6 | |
| SOUTH-WEST BENGAL. | South-West Midnapore | Saugor Island | 29.643 | 29.680 | +0.037 | SSE | 277.7 | 91.3 | 6th | 78.0 | 8th | 89.3 | 79.3 | 84.3 | +0.1 | 81.7 | |
| | South 24-Pargunnahs | Midnapore | 29.625 | 29.675 | +0.050 | Variable | 138.7 | 92.3 | 6th | 77.1 | 4th, 6th & 7th Aug. | 89.7 | 77.6 | 85.8 | +0.6 | 81.2 | |
| | 24-Pargunnahs | Calcutta | 29.657 | 29.679 | +0.022 | South-easterly | 61.7 | 90.0 | 5th | 75.7 | 7th | 89.2 | 76.9 | 82.0 | -0.4 | 80.7 | |
| | Howrah | Howrah | ? | ? | ? | S | 87.6 | 92.6 | 6th | 78.4 | 3rd & 7th Aug. | 89.9 | 79.4 | 84.0 | +0.3 | 81.2 | |
| | Hooghly | Hooghly | ? | ? | ? | S | 87.6 | 92.6 | 6th | 78.4 | 3rd & 7th Aug. | 89.9 | 79.4 | 84.0 | +0.3 | 81.2 | |
| SOUTH-WEST BENGAL. | Burdwan | Burdwan | 29.653 | 29.653 | +0.000 | Calm | 76.0 | 92.1 | 6th | 77.1 | 3rd | 89.4 | 78.2 | 83.3 | +0.3 | 80.0 | |
| | Bankura | Bankura | 29.638 | 29.673 | +0.035 | SSE | 53.3 | 92.5 | 6th | 77.1 | 3rd | 88.2 | 77.0 | 83.1 | -0.3 | 80.3 | |
| | Beerbhoom | Beerbhoom | 29.613 | 29.683 | +0.070 | SSE | 87.1 | 90.6 | 6th | 78.3 | 6th | 88.0 | 78.0 | 83.0 | -0.7 | 79.0 | |
| | West Burdwan | West Burdwan | 29.630 | 29.679 | +0.049 | SSE | 121.3 | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| | Mooredabad | Krishnagar | 29.630 | 29.679 | +0.049 | SSE | 121.3 | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| SOUTH-WEST BENGAL. | Nuddee | Krishnagar | 29.630 | 29.679 | +0.049 | SSE | 121.3 | ? | ? | ? | ? | ? | ? | ? | ? | ? | |
| | Jessore | Jessore | 29.635 | 29.689 | +0.054 | ? | ? | 91.3 | 5th | 77.4 | 6th & 7th Aug. | 88.6 | 78.6 | 83.6 | -0.5 | 81.0 | |
| | Khoolna | Khoolna | 29.641 | 29.732 | +0.091 | SSE | 93.6 | 87.6 | 3rd to 6th Aug. | 73.5 | 8th | 87.4 | 72.9 | 80.3 | -0.7 | 80.0 | |
| | Chittagong | Chittagong | 29.641 | 29.732 | +0.091 | SSE | 93.6 | 87.6 | 3rd to 6th Aug. | 73.5 | 8th | 87.4 | 72.9 | 80.3 | -0.7 | 80.0 | |
| | Chittagong Hill Tracts | Demagiri | 29.683 | 29.695 | +0.012 | SE | 94.2 | 90.3 | 5th Aug. | 78.2 | 2nd & 6th Aug. | 87.4 | 78.1 | 82.8 | +0.9 | 81.7 | |
| SOUTH-WEST BENGAL. | Backergunge | Backergunge | 29.683 | 29.695 | +0.012 | SE | 94.2 | 90.3 | 5th Aug. | 78.2 | 2nd & 6th Aug. | 87.4 | 78.1 | 82.8 | +0.9 | 81.7 | |
| | Noakholly | Noakholly | 29.692 | 29.736 | +0.044 | SE | 147.0 | 88.3 | 5th | 78.3 | 8th | 88.0 | 77.1 | 81.8 | +0.3 | 80.1 | |
| | Farredpore | Farredpore | 29.676 | 29.716 | +0.040 | SE | 93.0 | 88.5 | 5th | 78.0 | 7th | 85.7 | 79.5 | 82.6 | -0.1 | 81.3 | |
| | Dacca | Dacca | 29.678 | 29.701 | +0.023 | South-easterly S & South-easterly SE | 123.5 | 89.6 | 3rd & 6th Aug. | 78.7 | 7th | 87.7 | 77.3 | 83.5 | -1.2 | 81.0 | |
| | Commilla | Commilla | 29.688 | 29.734 | +0.046 | South-easterly S & South-easterly SE | 168.8 | 89.9 | 5th | 78.3 | 7th & 8th Aug. | 87.4 | 76.3 | 81.8 | +0.8 | 79.0 | |
| SOUTH-WEST BENGAL. | Mymensingh | Mymensingh | 29.635 | 29.713 | +0.078 | SE | 96.8 | 90.2 | 6th | 76.1 | 6th | 86.1 | 77.7 | 81.9 | -0.6 | 80.0 | |
| | Bogra | Bogra | 29.623 | 29.656 | +0.033 | Calm | 87.4 | 91.3 | 6th | 78.6 | 6th | 87.4 | 78.0 | 83.7 | -0.3 | 81.0 | |
| | Pabna | Pabna | 29.630 | 29.697 | +0.067 | S & SSE | 65.3 | 86.0 | 6th | 78.3 | 2nd, 6th, 7th & 8th Aug. | 84.0 | 78.9 | 81.9 | -1.1 | 80.0 | |
| | Rajshahye | Rajshahye | 29.639 | 29.690 | +0.051 | Variable | 109.2 | 91.3 | 6th | 77.0 | 6th | 86.0 | 78.6 | 82.8 | -0.1 | 81.0 | |
| | Maldah | Maldah | 29.649 | 29.681 | +0.032 | E & SE | 68.9 | 91.7 | 6th | 78.3 | 2nd | 87.0 | 78.4 | 83.0 | -1.4 | 80.0 | |
| SOUTH-WEST BENGAL. | Dinapore | Dinapore | 29.670 | 29.690 | +0.020 | E | 72.0 | 91.0 | 6th | 77.1 | 2nd | 87.8 | 79.6 | 83.4 | -0.3 | 81.0 | |
| | Rangpore | Rangpore | 29.687 | 29.712 | +0.025 | SSE | 60.0 | 92.5 | 6th | 74.7 | 2nd | 88.2 | 77.0 | 82.0 | -0.3 | 81.0 | |
| | Jalpaigore | Jalpaigore | 29.620 | 29.708 | +0.088 | ? | ? | 89.9 | 6th | 74.1 | 3rd & 4th Aug. | 85.6 | 75.9 | 80.8 | -1.4 | 80.0 | |
| | Cooch Behar | Cooch Behar | 29.620 | 29.708 | +0.088 | ? | ? | 89.9 | 6th | 74.1 | 3rd & 4th Aug. | 85.6 | 75.9 | 80.8 | -1.4 | 80.0 | |
| | Darjeeling Hill Tracts | Darjeeling | 22.923 | — | +0.040 | Variable | 68.1 | 6th & 7th Aug. | 54.6 | 3rd | 64.6 | 55.7 | 60.2 | -1.9 | 60.0 | | |
| SOUTH-WEST BENGAL. | Purneah | Purneah | 29.550 | 29.635 | +0.085 | Calm | 38.0 | 81.2 | 6th | 78.4 | 2nd | 87.0 | 76.9 | 82.0 | -2.0 | 80.0 | |
| | North Bhagalpore | North Bhagalpore | 29.550 | 29.635 | +0.085 | Calm | 38.0 | 81.2 | 6th | 78.4 | 2nd | 87.0 | 76.9 | 82.0 | -2.0 | 80.0 | |
| | Mouafferpore | Mouafferpore | 29.480 | 29.601 | +0.121 | E | 159.3 | 90.3 | 6th | 78.2 | 5th | 88.0 | 77.8 | 81.9 | — | 81.0 | |
| | Durbhanga | Durbhanga | 29.613 | 29.681 | +0.068 | Easterly | 155.0 | 90.4 | 6th | 78.5 | 6th | 88.8 | 76.7 | 81.8 | -2.9 | 81.0 | |
| | Chumpran | Motihari | 29.460 | 29.588 | +0.128 | ESE | 173.7 | 90.2 | 6th & 7th Aug. | 74.9 | 3rd | 87.3 | 77.3 | 82.3 | -1.7 | 81.0 | |
| SOUTH-WEST BENGAL. | Baran | Chupra | 29.461 | 29.546 | +0.085 | E | 129.5 | 89.3 | 6th | 78.6 | 6th | 86.0 | 78.0 | 82.8 | -1.1 | 81.0 | |
| | Shahabad | Dehra | 29.580 | 29.646 | +0.066 | Calm | 86.0 | 89.3 | 6th | 78.6 | 6th | 87.1 | 74.2 | 82.7 | +0.1 | 81.0 | |
| | Gya | Gya | 29.510 | 29.602 | +0.092 | E | 125.4 | 89.3 | 6th | 78.6 | 6th | 85.0 | 76.5 | 80.0 | -2.4 | 81.0 | |
| | Patna | Patna | 29.463 | 29.549 | +0.086 | Calm | 86.0 | 89.3 | 6th | 74.1 | 3rd | 86.0 | 78.7 | 81.5 | -2.5 | 81.0 | |
| | Gya | Gya | 29.581 | 29.661 | +0.080 | E | 104.0 | 90.0 | 6th | 78.8 | 2, 3, 6, & 8th Aug. | 88.4 | 79.3 | 83.9 | -0.9 | 81.0 | |
| SOUTH-WEST BENGAL. | Patna | Patna | 29.475 | 29.550 | +0.075 | E | 129.5 | 89.3 | 6th | 76.7 | 3rd to 6th | 86.7 | 77.6 | 82.2 | -3.8 | 81.0 | |
| | South Bhagalpore | Bhagalpore | 29.501 | 29.584 | +0.083 | Calm | 39.0 | 90.3 | 6th | 78.0 | 2nd | 86.0 | 77.8 | 81.3 | -2.5 | 81.0 | |
| | Monahyr | Monahyr | 29.501 | 29.584 | +0.083 | Calm | 39.0 | 90.3 | 6th | 78.0 | 2nd | 86.0 | 77.8 | 81.3 | -2.5 | 81.0 | |
| | South Pargunnahs | Dumka | 29.177 | 29.676 | +0.099 | South-easterly, Variable | 127.3 | 89.1 | 6th & 6th Aug. | 74.3 | 6th | 86.3 | 76.3 | 81.3 | -1.0 | 81.0 | |
| | Hazaribagh | Hazaribagh | 27.688 | 29.672 | +0.084 | Variable | 173.0 | 89.0 | 6th & 6th Aug. | 74.3 | 6th & 7th Aug. | 83.0 | 73.8 | 77.9 | -0.6 | 81.0 | |
| SOUTH-WEST BENGAL. | Lohardugga | Ranchi | 27.646 | 29.664 | +0.089 | Calm | 110.4 | 86.5 | 6th | 89.0 | 6th | 83.9 | 71.4 | 77.3 | -0.1 | 81.0 | |
| | Manbhum | Ranchi | 27.646 | 29.664 | +0.089 | Calm | 110.4 | 86.5 | 6th | 89.0 | 6th | 83.9 | 71.4 | 77.3 | -0.1 | 81.0 | |
| | Bishnuboom | Chybamra | 28.898 | 29.643 | +0.075 | Variable | 57.3 | 93.4 | 6th | 78.2 | 3rd, 7th & 8th Aug. | 89.2 | 76.9 | 83.1 | +0.8 | 81.0 | |
| | Sibpur | Sibpur | 29.408 | 29.742 | +0.076 | SW & SSW | 50.8 | 94.6 | 7th | 78.0 | 2nd | 87.7 | 77.9 | 82.8 | +2.0 | 81.0 | |
| | Asan | Dhubi | 29.583 | 29.711 | +0.078 | Calm | 67.4 | 88.2 | 6th | 74.8 | 2nd | 83.3 | 77.0 | 80.3 | -3.7 | 81.0 | |
| SOUTH-WEST BENGAL. | Asan | Asan | 29.624 | 29.730 | +0.061 | Calm | 38.8 | 91.5 | 6th | 76.2 | 2nd, 7th & 8th Aug. | 88.3 | 77.3 | 82.5 | -1.0 | 81.0 | |

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the years 1871 to 1890. The humidity of the atmosphere is expressed in percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The normal means of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the years 1871 to 1890. A rainy day is one on which at least hundredth of an inch fell.

for the week ending Friday, the 8th of August 1890.

| | | | | | DISTRICT OBSERVATIONS. | | | | | | | | | | | | | | |
|----------------------------|--|--|--------------------|--------------|------------------------|--------------|------------|----------------------|--------------|------------|-------------------------------|------------------------------|-----------------|--|-------------------------|-----------|--|--|--|
| Average humidity at 8 A.M. | Average cloud amount at 8 A.M. for week. | Rainfall of week at observing station. | OF WEEK. | | RAINFALL. | | | | | | | | | | Representative station. | DISTRICT. | | | |
| | | | Mean for district. | Normal mean. | Since 1st of month. | | | Since 15th May 1890. | | | Average number of rainy days. | Normal number of rainy days. | | | | | | | |
| | | | | | Mean for district. | Normal mean. | Variation. | Mean for district. | Normal mean. | Variation. | | | | | | | | | |
| 85 | 0.1 | 1.23 | | 3.84 | | 3.33 | | 36.46 | | | | 43 | Pooros | | ORISSA. | | | | |
| 86 | 2.1 | 1.86 | | | | | | | | | | | Gopalpore | Pooros | | | | | |
| 83 | 7.3 | 0.56 | | | | | | | | | | | False Point | | | | | | |
| 80 | 7.6 | 1.72 | 0.96 | 2.77 | 1.63 | 3.00 | -1.36 | 32.45 | 30.75 | +1.70 | 3.0 | 43 | Outtack | Outtack | ORISSA. | | | | |
| 84 | 4.3 | 2.70 | 1.84 | 3.91 | 3.27 | 3.57 | -1.30 | 37.03 | 37.36 | -0.33 | 3.3 | 43 | Balasore | Balasore | | | | | |
| 89 | 0.1 | 1.84 | 1.89 | 3.55 | 3.57 | 4.04 | -1.47 | 36.33 | 31.53 | -4.80 | 3.7 | 43 | Saugor Island | South-West Midnapore South 24-Pargunnas | | | | | |
| 84 | 3.6 | 0.55 | 1.01 | 3.57 | 1.04 | 4.44 | -3.40 | 30.23 | 30.00 | +1.03 | 3.3 | 43 | Midnapore | Midnapore | SOUTH-WEST BENGAL. | | | | |
| 86 | 5.0 | 3.08 | 2.80 | 3.01 | 2.99 | 3.63 | -0.64 | 31.31 | 28.65 | +2.66 | 4.1 | 5.0 | Calcutta | 24-Pargunnas... Howrah Hooghly | | | | | |
| 86 | 9.0 | 3.53 | 3.25 | 3.43 | 3.23 | 2.96 | -0.27 | 30.28 | 24.99 | +14.29 | 4.3 | 4.4 | Burdwan | Burdwan | | | | | |
| 89 | 7.7 | 0.48 | 0.76 | 3.51 | 0.60 | 4.43 | -3.83 | 33.65 | 29.70 | +3.95 | 3.8 | 4.5 | Bankoora | Bankoora | SOUTH-WEST BENGAL. | | | | |
| 90 | 6.7 | 2.08 | 2.03 | 2.65 | 2.16 | 3.50 | -1.34 | 37.16 | 23.50 | +13.66 | 3.8 | 5.0 | Raneegunge | Raneegunge | | | | | |
| 86 | 0.1 | 1.56 | 2.51 | 3.08 | 2.89 | 3.78 | -0.89 | 34.57 | 26.94 | +7.63 | 4.3 | 4.5 | Berhampore | Berhampore | | | | | |
| 91 | 8.4 | 3.74 | 2.23 | 3.30 | 2.53 | 3.75 | -0.22 | 30.74 | 26.24 | +4.50 | 4.6 | 4.6 | Krishnaghar | Krishnaghar | SOUTH-WEST BENGAL. | | | | |
| 91 | 9.0 | 1.86 | 1.84 | 3.84 | 2.07 | 3.48 | -1.41 | 33.03 | 30.38 | +2.65 | 4.4 | 4.7 | Jessore | Jessore | | | | | |
| 88 | 6.7 | 4.85 | 3.37 | 6.63 | 3.47 | 7.73 | -4.26 | 31.46 | 73.73 | -42.27 | 4.6 | 5.8 | Chittagong | Chittagong | | | | | |
| | | | | 4.30 | | 4.74 | | 46.84 | | | | 5.8 | Demagiri | Chittagong Hill Tracts | SOUTH-WEST BENGAL. | | | | |
| | 7.4 | 3.07 | 3.03 | 4.21 | 2.69 | 4.97 | -2.28 | 44.51 | 46.08 | -1.57 | 4.5 | 5.8 | Barrisal | Barrisal | | | | | |
| 90 | 4.3 | 3.63 | 4.63 | 6.08 | 4.94 | 7.63 | -2.69 | 36.44 | 02.96 | +33.48 | 5.0 | 6.0 | Noakholly | Noakholly | | | | | |
| 89 | 6.9 | 1.06 | 1.02 | 3.96 | 1.13 | 3.44 | -2.31 | 34.59 | 32.33 | -2.26 | 2.7 | 4.6 | Furzedpore | Furzedpore | SOUTH-WEST BENGAL. | | | | |
| 89 | 5.7 | 4.41 | 3.43 | 3.34 | 3.75 | 3.96 | -0.21 | 40.40 | 35.27 | +5.13 | 5.3 | 5.6 | Dacca | Dacca | | | | | |
| 90 | 6.0 | 3.06 | 2.30 | 4.13 | 2.60 | 4.90 | -2.30 | 40.10 | 30.30 | +9.80 | 4.5 | 5.4 | Commillah | Commillah | | | | | |
| 90 | 8.0 | 3.50 | 2.23 | 3.30 | 2.96 | 3.71 | -0.75 | 47.19 | 39.63 | +7.56 | 3.6 | 5.0 | Mymensingh | Mymensingh | SOUTH-WEST BENGAL. | | | | |
| 89 | 6.4 | 2.71 | 1.86 | 3.78 | 3.17 | 3.08 | +0.09 | 27.36 | 33.30 | -5.94 | 4.3 | 4.6 | Bogra | Bogra | | | | | |
| 94 | 8.9 | 1.06 | 0.95 | 3.90 | 1.43 | 3.45 | -1.92 | 28.71 | 27.08 | +1.63 | 3.5 | 4.3 | Serajgunge | Serajgunge | | | | | |
| 88 | 3.3 | 3.21 | 1.14 | 2.57 | 3.20 | 3.20 | -0.04 | 44.01 | 29.16 | +14.85 | 4.9 | 4.4 | Rampore Beaulah | Rampore Beaulah | SOUTH-WEST BENGAL. | | | | |
| 87 | 4.6 | 3.30 | 3.08 | 3.73 | 4.53 | 3.19 | +1.34 | 29.81 | 29.84 | -0.03 | 4.5 | 4.7 | Maldah | Maldah | | | | | |
| 89 | 7.7 | 4.70 | 3.41 | 2.85 | 4.06 | 3.07 | +1.09 | 41.43 | 32.90 | +8.53 | 3.0 | 4.3 | Dinapore | Dinapore | | | | | |
| 87 | 5.1 | 2.08 | 1.83 | 2.32 | 4.33 | 3.10 | +1.23 | 40.84 | 46.19 | -5.35 | 3.0 | 4.3 | Rangpore | Rangpore | SOUTH-WEST BENGAL. | | | | |
| 93 | 3.1 | 3.60 | 3.90 | 5.28 | 5.45 | 5.03 | -0.47 | 33.97 | 30.36 | +3.61 | 3.8 | 6.0 | Julpigoree | Julpigoree | | | | | |
| 94 | 9.4 | 7.10 | 6.52 | 7.23 | 6.74 | 7.94 | -1.20 | 103.70 | 75.47 | +28.23 | 3.3 | 6.4 | Darjeeling | Darjeeling Hill Tracts | SOUTH-WEST BENGAL. | | | | |
| 86 | 6.3 | 3.56 | 3.90 | 3.10 | 4.37 | 3.30 | +0.81 | 45.82 | 31.34 | +14.48 | 3.8 | 4.4 | Purneah | Purneah | | | | | |
| 94 | 5.9 | 4.63 | 3.59 | 3.44 | 3.84 | 3.98 | +0.91 | 34.00 | 23.16 | +10.84 | 3.0 | 4.0 | Mosufferpore | Mosufferpore | SOUTH-WEST BENGAL. | | | | |
| 89 | 6.9 | 4.03 | 4.18 | 2.40 | 4.19 | 3.66 | +1.53 | 30.18 | 33.78 | -3.60 | 3.0 | 3.3 | Durbhunga | Durbhunga | | | | | |
| 87 | 7.4 | 2.37 | 2.90 | 2.65 | 2.90 | 3.16 | -0.26 | 43.66 | 34.78 | +8.88 | 4.5 | 3.9 | Mothari | Mothari | SOUTH-WEST BENGAL. | | | | |
| 90 | 4.6 | 2.68 | | 3.53 | | 3.04 | | 22.73 | | | | 3.8 | Chupra | Chupra | | | | | |
| 89 | 6.3 | 0.51 | | | | 3.38 | | 30.01 | | | | 3.7 | Dehree | Dehree | SOUTH-WEST BENGAL. | | | | |
| 93 | 7.9 | 4.11 | 2.27 | 3.80 | 2.98 | 3.38 | -0.40 | 30.01 | 20.59 | +9.42 | 3.3 | 3.7 | Buxar | Buxar | | | | | |
| 90 | 8.7 | 0.83 | | | | | | | | | | | Arrah | Arrah | | | | | |
| 87 | 7.0 | 0.89 | 1.35 | 3.80 | 1.33 | 3.40 | -2.07 | 33.29 | 23.63 | +9.66 | 4.3 | 3.3 | Gya | Gya | SOUTH-WEST BENGAL. | | | | |
| 88 | 9.6 | 2.79 | 3.26 | 3.41 | 3.41 | 3.00 | +0.41 | 28.60 | 23.06 | +5.54 | 3.6 | 3.3 | Bankipore | Bankipore | | | | | |
| 90 | 8.9 | 3.31 | 1.65 | 2.72 | 3.23 | 3.28 | -0.05 | 34.94 | 23.66 | +11.28 | 3.8 | 4.3 | Shahulpore | Shahulpore | | | | | |
| 87 | 4.6 | 6.50 | 2.67 | 2.84 | 4.35 | 3.36 | +1.09 | 37.77 | 27.65 | +10.12 | 5.0 | 4.3 | Doomka | Doomka | SOUTH-WEST BENGAL. | | | | |
| 91 | 10.9 | 1.93 | | 3.11 | | 3.94 | | 26.96 | | | | 5.0 | Hasaribagh | Hasaribagh | | | | | |
| 88 | 9.3 | 1.98 | 2.55 | 3.48 | 2.04 | 4.34 | -2.30 | 27.76 | 26.46 | +1.30 | 4.7 | 5.4 | Banohi | Banohi | | | | | |
| | | 0.95 | 0.95 | 3.39 | 1.00 | 4.34 | -3.34 | 26.56 | 20.14 | +6.42 | 4.0 | 5.3 | | | SOUTH-WEST BENGAL. | | | | |
| 86 | 7.0 | 1.03 | 0.76 | 3.88 | 0.94 | 4.71 | -3.77 | 23.49 | 20.89 | +2.60 | 2.0 | 5.7 | Chyabassa | Chyabassa | | | | | |
| 93 | 9.4 | 3.07 | | | | | | | | | | | Sibangar | Sibangar | SOUTH-WEST BENGAL. | | | | |
| 93 | 9.6 | 1.99 | | | | | | | | | | | Dhuhri | Dhuhri | | | | | |
| 89 | 9.1 | 0.95 | | | | | | | | | | | Silchar | Silchar | | | | | |

ten years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means 17 years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

| Meteorological division. | District. | Station. | RAINFALL. | | | | | | | TOTAL | | Total rain- fall since 1st of month. | Average total rain- fall from 1st of month. | Total rain- fall since 15th May 1890. | Average rainfall from 15th May to date. |
|-----------------------------|---------------|----------------------|-----------------------------|--------------------------|---------------------------|----------------------------|------------------------------|-----------------------------|---------------------------|--------------------------------|-------------------------|---|---|--|---|
| | | | Saturday, 2nd August. | Sunday 3rd August. | Monday, 4th August. | Tuesday, 5th August. | Wednesday, 6th August. | Thursday, 7th August. | Friday, 8th August. | Number of rainy days. | Rainfall of week. | | | | |
| SOUTH-WEST BENGAL. | Pooree | Pooree | 0.04 | 0.01 | 0.04 | 0.42 | 1.08 | 0.11 | 4 | 1.68 | 1.66 | 2.33 | 27.80 | 22.70 | |
| | | Khurda | 0.01 | 0.30 | 0.28 | 0.71 | 0.11 | 4 | 1.30 | 1.30 | 2.30 | 27.02 | 22.35 | | |
| | | Bampur | 0.09 | 0.35 | 0.40 | 0.14 | 0.30 | 3 | 0.56 | 0.55 | 3.38 | 25.83 | 22.84 | | |
| | | False Point | 0.12 | 0.20 | 0.20 | 0.20 | 0.20 | 1 | 0.43 | 0.43 | 2.85 | 26.30 | 22.63 | | |
| | | Gop | 0.43 | 0.23 | 0.23 | 0.23 | 0.23 | 2 | 0.61 | 0.61 | 2.85 | 26.30 | 22.63 | | |
| | Cuttack | Jagatsinghpore | 0.30 | 0.15 | 0.28 | 0.25 | 0.25 | 2 | 0.75 | 0.73 | 2.33 | 26.08 | 22.07 | | |
| | | Banki | 0.13 | 0.18 | 0.18 | 0.18 | 0.18 | 4 | 1.00 | 1.00 | 2.33 | 26.08 | 22.07 | | |
| | | Cuttack | 0.32 | 0.70 | 0.10 | 0.08 | 0.08 | 4 | 0.61 | 0.61 | 2.33 | 26.08 | 22.07 | | |
| | | Kondrapara | 0.10 | 0.20 | 0.20 | 0.20 | 0.20 | 1 | 0.43 | 0.43 | 2.33 | 26.08 | 22.07 | | |
| | | Jajpore | 0.43 | 0.23 | 0.23 | 0.23 | 0.23 | 2 | 0.61 | 0.61 | 2.33 | 26.08 | 22.07 | | |
| | Balasore | Chandball | 0.05 | 0.05 | 0.05 | 0.40 | 0.23 | 4 | 1.61 | 1.71 | 0.02 | 24.76 | 24.28 | | |
| | | Bhuddrak | 0.05 | 0.05 | 0.05 | 0.40 | 0.23 | 1 | 1.12 | 1.12 | 0.10 | 24.76 | 24.28 | | |
| | | Sorah | 0.05 | 0.05 | 0.05 | 0.40 | 0.23 | 3 | 2.20 | 2.20 | 0.43 | 24.76 | 24.28 | | |
| | | Balasore | 0.03 | 0.31 | 0.20 | 0.20 | 0.20 | 4 | 2.06 | 2.06 | 0.43 | 24.76 | 24.28 | | |
| | | Jajpore | 0.43 | 0.23 | 0.23 | 0.23 | 0.23 | 4 | 2.00 | 2.00 | 0.43 | 24.76 | 24.28 | | |
| | Midnapore | Baripodah | 0.21 | 0.41 | 0.08 | 0.08 | 0.08 | 4 | 0.63 | 0.63 | 0.47 | 24.04 | 23.45 | | |
| | | Contai | 0.01 | 1.00 | 0.46 | 0.40 | 0.40 | 4 | 1.08 | 3.18 | 4.30 | 26.00 | 31.08 | | |
| | | Saugor Island | 0.03 | 0.79 | 0.21 | 0.81 | 0.81 | 4 | 1.84 | 2.44 | 4.02 | 25.80 | 33.07 | | |
| | | Tumlook | 0.10 | 0.14 | 0.08 | 0.44 | 0.44 | 4 | 0.74 | 0.83 | 3.08 | 26.08 | 27.94 | | |
| | | Midnapore | 0.30 | 0.10 | 0.25 | 0.07 | 0.07 | 4 | 0.68 | 0.68 | 0.25 | 26.11 | 31.03 | | |
| | 24-Pargunnahs | Kutubhaty | 0.17 | 0.14 | 0.12 | 0.12 | 0.12 | 4 | 1.28 | 1.56 | 1.76 | 26.11 | 31.03 | | |
| | | Garbeta | 0.48 | 0.13 | 0.13 | 0.13 | 0.13 | 2 | 0.61 | 0.61 | 1.76 | 26.11 | 31.03 | | |
| | | Diamond Har- bour | 0.15 | 0.68 | 0.10 | 1.02 | 1.02 | 3 | 1.67 | 3.68 | 3.68 | 26.54 | 30.40 | | |
| | | Canning Town | 0.01 | 0.63 | 0.70 | 0.20 | 0.20 | 3 | 1.40 | 1.79 | 3.68 | 26.54 | 30.40 | | |
| Alipore Jail | | 0.01 | 1.79 | 0.60 | 0.40 | 0.40 | 3 | 3.11 | 3.25 | 3.45 | 26.54 | 30.40 | | | |
| Howrah | Barrackpore | 0.08 | 1.13 | 0.20 | 1.85 | 1.85 | 4 | 2.86 | 2.86 | 3.47 | 26.54 | 30.40 | | | |
| | Dum-Dum | 0.07 | 2.15 | 0.36 | 0.42 | 0.42 | 3 | 2.61 | 3.19 | 3.34 | 26.54 | 30.40 | | | |
| | Barasat | 0.26 | 1.95 | 0.10 | 0.29 | 0.29 | 5 | 3.23 | 3.73 | 3.19 | 26.54 | 30.40 | | | |
| | Buseerhat | 0.26 | 0.40 | 0.24 | 0.24 | 0.24 | 3 | 1.20 | 1.20 | 3.63 | 26.54 | 30.40 | | | |
| | Howrah | 0.01 | 0.11 | 1.78 | | | | | | | | | | | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 8th of August 1890—contd.

| Meteorological Division. | District. | Station. | RAINFALL | | | | | | | TOTAL. | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 1st of May, 1890. | Average rainfall from 1st of May to date. | |
|--------------------------|-----------------------------|-----------------------|-----------------------|---------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|-------------------|-------------------------------------|--|---|---|-------|
| | | | Saturday, 2nd August. | Sunday, 3rd August. | Monday, 4th August. | Tuesday, 5th August. | Wednesday, 6th August. | Thursday, 7th August. | Friday, 8th August. | Number of rainy days. | of Rainfall week. | | | | | |
| WEST BENGAL. | Noakholly ... | Gournaddi Bauphal ... | 0'03 | | | 0'38 | 0'32 | 0'07 | 0'08 | 4 | 0'83 | 0'85 | ? | 27'12 | ? | |
| | | Noakholly ... | 0'05 | 0'16 | 0'03 | 0'85 | 0'39 | 0'10 | 0'80 | 7 | 2'38 | 2'60 | 8'03 | 51'59 | 63'77 | |
| | | Fenny ... | | | | 5'65 | | 0'23 | 1'00 | 3 | 6'88 | 7'23 | 7'21 | 62'45 | 63'14 | |
| | | Harishpore ... | | | | 1'10 | | | | | | | ? | ? | ? | |
| | Furzedpore ... | Ramganj ... | | | | 0'60 | 0'19 | | 0'40 | 3 | 1'19 | 1'19 | ? | 40'83 | ? | |
| | | Madaripore ... | | | | 0'17 | | 0'40 | 0'37 | 3 | 0'94 | 0'94 | 3'87 | 24'44 | 31'46 | |
| | | Furzedpore ... | | | | 0'90 | 0'19 | | | 3 | 1'09 | 1'09 | 3'41 | 24'65 | 32'94 | |
| | Dacca ... | Goulundo ... | | | | | 0'43 | 0'31 | 0'29 | 3 | 1'03 | 1'35 | 3'15 | 25'55 | 30'60 | |
| | | Munshigunge ... | | | | | 2'70 | 0'45 | 0'15 | 8 | 3'30 | 3'47 | 4'50 | 60'89 | 60'89 | |
| | | Dacca ... | 0'42 | | | | 2'35 | 0'50 | 1'35 | 4 | 4'62 | 4'90 | 3'07 | 40'28 | 39'01 | |
| | | Narsingunge ... | 0'72 | | | | 3'53 | 0'83 | 0'34 | 4 | 5'22 | 5'32 | 3'77 | 46'35 | 39'61 | |
| | | Manickgure ... | 0'07 | | | | 0'74 | 0'20 | 0'05 | 4 | 1'00 | 1'23 | 3'85 | 34'56 | 36'27 | |
| | Hill Tipperah. | Joydebpore ... | 0'59 | | | | 1'11 | 1'22 | 0'08 | 0'03 | 5 | 4'53 | 4'55 | ? | 42'34 | ? |
| | | Agartala ... | 0'15 | | | | 0'50 | 0'08 | 1'05 | | 4 | 1'78 | 1'78 | 3'93 | 41'89 | 34'44 |
| | | Comilla ... | 0'03 | 0'58 | 0'04 | 0'24 | 1'05 | 0'15 | 0'05 | 7 | 2'54 | 2'60 | 3'01 | 44'00 | 40'59 | |
| | | Chandpore ... | | | | 0'90 | | 2'40 | 0'30 | 3 | 3'60 | 4'70 | 5'09 | 38'10 | 41'85 | |
| | | Brahmunberia ... | | | 0'42 | | 0'30 | 0'18 | 0'08 | 4 | 0'88 | 0'91 | 3'06 | 35'63 | 34'92 | |
| | | Ramchandrapore ... | 1'43 | 0'06 | 0'05 | 1'02 | 1'91 | | 0'10 | 6 | 4'80 | 4'90 | ? | 61'59 | ? | |
| | | Nasirnagar ... | | | 0'20 | | 0'50 | 0'40 | | 3 | 1'10 | 1'10 | ? | 30'11 | ? | |
| | | Daukhendi ... | | | | | 0'42 | 0'54 | 0'30 | 3 | 1'35 | 2'10 | ? | 30'13 | ? | |
| | | Kasba ... | 0'27 | | | 0'02 | | | | 2 | 0'29 | 0'29 | ? | 48'36 | ? | |
| | | Laksham ... | | | 0'73 | | | | | 1 | 0'73 | 1'03 | ? | 50'63 | ? | |
| | Mymensingh... | Kishoreganj ... | | | 0'33 | | 0'21 | 0'12 | 0'20 | 4 | 0'85 | 1'33 | 4'30 | 41'80 | 41'05 | |
| | | Atia (Tangail) ... | | | | | 0'54 | 0'12 | | 2 | 0'66 | 1'21 | 3'22 | 35'01 | 31'10 | |
| Mymensingh ... | | 0'73 | ..... | ..... | ..... | 0'08 | 0'70 | 0'63 | 4 | 2'14 | 2'70 | 3'15 | 40'04 | 42'51 | | |
| Jamalsore ... | | 0'68 | ..... | ..... | ..... | 0'08 | 0'14 | 0'18 | 3 | 0'36 | 2'94 | 3'70 | 47'48 | 35'40 | | |
| Natorkona ... | | 2'40 | 0'53 | ..... | ..... | 3'60 | 0'12 | 1'19 | 5 | 6'33 | 6'07 | 4'19 | 67'42 | 67'33 | | |
| Subarnakhet ... |  | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| Durgapore ... | | 2'10 | ..... | ..... | ..... | 0'70 | ..... | 2'60 | 3 | 5'40 | 5'70 | ? | 74'28 | ? | | |
| Sherepore (Dumra) ... | Sherepore (Dumra) ... | 0'09 | ..... | ..... | ..... | ..... | 0'81 | ..... | 2 | 1'50 | 2'08 | ? | 39'20 | ? | | |
| | Debaganj ... | ..... | ..... | ..... | ..... | 0'38 | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| Pabna ... | Pabna ... | 0'13 | ..... | ..... | ..... | 0'09 | 0'12 | 0'52 | 4 | 0'85 | 1'30 | 2'41 | 24'01 | 27'11 | | |
| | Chandpur ... | ..... | ..... | ..... | ..... | 0'23 | 0'24 | 0'58 | 3 | 1'05 | 1'55 | 2'48 | 32'46 | 28'51 | | |
| Bogra ... | Sherepore ... | 0'26 | ..... | ..... | ..... | 0'05 | 0'07 | 0'57 | 4 | 0'74 | 1'41 | 3'17 | 36'19 | 39'21 | | |
| | Nowkhilla ... | 0'82 | ..... | ..... | ..... | 0'27 | 0'27 | ..... | 2 | 1'00 | 2'04 | 3'32 | 31'12 | 31'37 | | |
| | Hogra ... | 0'18 | 0'08 | 1'03 | 0'19 | 0'03 | 0'10 | 0'50 | 7 | 2'00 | 5'23 | 2'46 | 31'04 | 35'02 | | |
| | Panchbibi ... | 2'12 | 0'32 | ..... | ..... | 0'08 | ..... | 0'10 | 4 | 3'53 | 5'03 | 3'39 | 45'09 | 32'13 | | |
| Rajshahi ... | Beaulah ... | 0'15 | 0'39 | ..... | ..... | 1'20 | 0'13 | 0'12 | 5 | 2'05 | 2'10 | 3'13 | 45'24 | 37'58 | | |
| | Natore ... | 0'07 | ..... | ..... | ..... | 0'26 | 0'20 | 0'35 | 4 | 0'88 | 3'30 | 3'04 | 40'01 | 24'70 | | |
| | Naogaon ... | 0'09 | ..... | ..... | ..... | 0'30 | 0'30 | 0'09 | 3 | 0'68 | 1'16 | 3'42 | 30'93 | 31'10 | | |
| | Lalpor ... | ..... | ..... | ..... | 0'33 | ..... | 0'30 | 0'14 | 3 | 0'77 | 0'83 | ? | 25'39 | ? | | |
| Maidah ... | Maidah ... | 0'47 | 0'32 | ..... | ..... | 0'35 | 1'13 | 0'03 | 5 | 2'30 | 2'00 | 2'69 | 25'64 | 27'70 | | |
| | Chanchal ... | 2'03 | 0'39 | ..... | ..... | 0'45 | 0'40 | 0'09 | 4 | 3'40 | 5'00 | 3'70 | 30'30 | 31'23 | | |
| Hidagepore ... | Gajol ... | 0'06 | 0'47 | ..... | 10'40 | 0'20 | 0'20 | ..... | 4 | 1'08 | 2'43 | ? | 35'08 | ? | | |
| | Sibganj ... | 0'41 | 0'10 | ..... | ..... | 0'07 | 0'41 | ..... | 4 | 1'08 | 2'15 | ? | 30'00 | ? | | |
| | Mohadebpore ... | ..... | ..... | ..... | ..... | ..... | 0'33 | ..... | 1 | 0'32 | 0'89 | 3'45 | 34'59 | 31'43 | | |
| Rangpur ... | Churamon ... | 1'73 | 0'83 | ..... | ..... | ..... | 0'54 | 0'04 | 4 | 3'12 | 4'72 | 2'58 | 41'55 | 39'09 | | |
| | Kaigunge ... | 4'00 | 1'07 | ..... | ..... | ..... | 0'45 | 0'12 | 4 | 6'54 | 8'54 | 2'07 | 47'22 | 39'08 | | |
| | Dinapore ... | 4'20 | 0'08 | 0'45 | ..... | ..... | ..... | ..... | 3 | 4'09 | 5'33 | 3'70 | 45'30 | 38'08 | | |
| | Bainorhat ... | 1'04 | 0'63 | ..... | ..... | ..... | 0'31 | 0'02 | 4 | 2'11 | 3'46 | 3'10 | 37'30 | 34'24 | | |
| | Thakurgaon ... | 4'00 | 1'03 | ..... | ..... | ..... | 0'43 | ..... | 3 | 5'53 | 6'00 | ? | 54'05 | ? | | |
| Dumkora ... | Bhawanigunge (Gyabanda) ... | 1'01 | ..... | ..... | ..... | ..... | 0'34 | 0'42 | 3 | 2'37 | 4'09 | 2'30 | 40'41 | 56'04 | | |
| | Rangpur ... | 0'73 | 0'7 | 1'03 | ..... | ..... | ..... | ..... | 3 | 1'93 | 2'38 | 2'03 | 44'10 | 46'09 | | |
| | Kurigram ... | 1'10 | 0'25 | 0'03 | ..... | ..... | ..... | ..... | 3 | 1'60 | 2'43 | 2'98 | 40'07 | 46'30 | | |
| | Bagdola ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | (Nilphamari) Utopia ... | 0'47 | 1'07 | ..... | ..... | 0'06 | ..... | ..... | 3 | 1'60 | 2'76 | 4'00 | 55'75 | 52'09 | | |
| Jalpaigore ... | Utopia ... | 1'58 | 1'43 | ..... | ..... | ..... | ..... | ..... | 3 | 3'00 | 5'40 | ? | 43'71 | ? | | |
| | Jalpaigore ... | 2'01 | 0'36 | 0'25 | ..... | ..... | 0'13 | ..... | 4 | 3'35 | 3'41 | 0'33 | 89'04 | 68'47 | | |
| | Atipore Doar ... | 0'02 | 10'08 | 0'27 | ..... | 0'07 | 1'18 | 0'27 | 5 | 2'79 | 3'39 | ? | 100'45 | ? | | |
| | Fallacotta ... | 0'21 | 0'18 | ..... | ..... | ..... | 0'21 | 0'21 | 3 | 0'60 | 0'66 | ? | 87'83 | ? | | |
| | Debiganj ... | 3'43 | ..... | ..... | ..... | ..... | 0'30 | 0'10 | 3 | 4'23 | 4'40 | ? | 60'67 | ? | | |
| Cooh Behar.. | Ilhagatpore (Naoghat) ... | 0'23 | 0'32 | 0'10 | ..... | ..... | 0'57 | 0'63 | 5 | 2'45 | 3'34 | ? | 90'33 | ? | | |
| | (Naoghat) ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | Dinhatia ... | 0'41 | 0'23 | 1'01 | ..... | ..... | 0'48 | 0'02 | 5 | 3'20 | 5'01 | 3'40 | 60'48 | 58'08 | | |
| | Cooh Behar ... | 2'14 | 0'50 | ..... | ..... | ..... | 0'05 | 0'06 | 5 | 3'27 | 5'02 | 3'40 | 61'10 | 74'76 | | |
| | Mishilgunge ... | 3'00 | ..... | ..... | ..... | ..... | 1'28 | ..... | 2 | 4'28 | 5'30 | 0'30 | 92'24 | 84'13 | | |
| Darjeeling Hill. | Matahanga ... | 0'10 | 0'00 | ..... | ..... | ..... | 4'27 | 2'15 | 3 | 5'42 | 7'07 | 10'23 | 118'01 | 117'40 | | |
| | Huza ... | 2'20 | 0'01 | 1'04 | ..... | ..... | 0'42 | 2'15 | 5 | 7'32 | 7'07 | 8'20 | 113'97 | 107'16 | | |
| | Nilgiri ... | 3'44 | 0'29 | 0'42 | ..... | ..... | 0'10 | 0'13 | 5 | 5'45 | 4'45 | 7'00 | 103'24 | 60'08 | | |
| | Darjeeling ... | 3'11 | 1'34 | 0'04 | 0'03 | ..... | 1'01 | 0'71 | 6 | 7'10 | 9'84 | 0'84 | 79'08 | 51'11 | | |
| | Kalimpang ... | 1'09 | 0'74 | 0'00 | ..... | ..... | 0'01 | 0'39 | 5 | 4'19 | 4'01 | ? | 128'83 | ? | | |
| Purneah ... | Kurseong ... | 3'40 | 0'88 | 2'70 | ..... | ..... | 2'00 | 0'22 | 5 | 9'00 | 9'00 | ? | ? | ? | | |
| | Kurseong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | Kurseong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | Kurseong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | Kurseong ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| North Bhagalpore. | Kurseong ... | 1'80 | 3'00 | 0'29 | ..... | ..... | 2'07 | ..... | 4 | 6'70 | 7'24 | 3'06 | 55'13 | 30'48 | | |
| | Arraah ... | 0'48 | 3'17 | ..... | ..... | ..... | 1'27 | 0'20 | 4 | 5'21 | 5'21 | 3'04 | 49'02 | 35'16 | | |
| | Purneah ... | 2'34 | 0'47 | 0'21 | ..... | ..... | 0'44 | ..... | 4 | 3'06 | 4'77 | 4'07 | 47'43 | 32'48 | | |
| | Gondwara ... | 5'39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? |  |  |
| | Balarampore ... | 6'00 | 1'00 | ..... | ..... | 1'10 | ..... | ..... | 3 | 8'30 | 13'45 | ? | 53'64 | ? | | |
| North Bhagalpore. | Mattari ... | ..... | 0'14 | 0'18 | ..... | ..... | 0'30 | 0'00 | 5 | 3'50 | 3'44 | 3'05 | 62'13 | ? | | |
| | Kaliaganj ... | 2'50 | 0'26 | 0'50 | ..... | 0'73 | 0'24 | 0'09 | 5 | 2'12 | 2'77 | 3'05 | 43'08 | 25'78 | | |
| | Maddapore ... | 1'43 | ..... | ..... | ..... | ..... | 0'26 | ..... | 3 | 1'73 | 1'85 | 3'40 | 37'05 | 20'06 | | |
| | Sonpal ... | 0'18 | 1'12 | 0'15 | ..... | ..... | 0'28 | ..... | 4 | 2'13 | 3'44 | ? | 30'05 | ? | | |
| | Protoganj ... | ..... | 0'54 | 0'71 | ..... | 0'10 | ..... | 0'29 | 4 | 2'13 | 3'44 | ? | 30'05 | ? | | |
| Durbhanga ... | Tajpore ... | 0'80 | 0'04 | 0'13 | 3'47 | ..... | 0'35 | ..... | 5 | 4'08 | 4'42 | 3'76 | 80'85 | 23'51 | | |
| | Durbhanga ... | 1'30 | 0'30 | 0'13 | 2'14 | | | | | | | | | | | |

Statement of Rainfall in Bengal for the week ending Friday (8 a.m.), the 8th of August 1890—conold.

| Meteorological Division. | District. | Station. | RAINFALL. | | | | | | | | TOTAL. | | Total rain-fall since 1st of month. | Average total rain-fall from 1st of month. | Total rain-fall since 15th May 1890. | Average rainfall from 1st May to date. |
|--------------------------|-----------------|-------------------|-----------------------|---------------------|---------------------|----------------------|------------------------|-----------------------|---------------------|-----------------------|-------------------|-------|-------------------------------------|--|--------------------------------------|--|
| | | | Saturday, 2nd August. | Sunday, 3rd August. | Monday, 4th August. | Tuesday, 5th August. | Wednesday, 6th August. | Thursday, 7th August. | Friday, 8th August. | Number of rainy days. | of Rainfall week. | | | | | |
| NORTH BHAR —concluded. | Ohumparan... | Motihari ... | 0.06 | 0.11 | 0.36 | ..... | ..... | 0.24 | 0.50 | 5 | 2.22 | 2.22 | 3.23 | 44.50 | 22.25 | |
| | | Bottiah ... | 2.08 | 1.10 | 0.34 | 0.06 | ..... | ..... | ..... | 4 | 3.58 | 3.58 | 3.06 | 40.77 | 25.48 | |
| | | Rupsha ... | 0.16 | 0.55 | 1.12 | 0.41 | ..... | 0.01 | 0.04 | 6 | 2.20 | 2.32 | ? | 40.47 | ? | |
| | | Burhura ... | 1.64 | 0.01 | 0.87 | 0.12 | ..... | ..... | ..... | 4 | 2.64 | 2.67 | ? | 30.04 | ? | |
| Baran ... | Gopalgunge ... | Bawan ... | 3.87 | 1.24 | 3.25 | | | 0.02 | 0.46 | 0.05 | 7 | 4.78 | 4.77 | 3.03 | 38.42 | 23.15 |
| | | Chuprah ... | 0.27 | 0.19 | 0.19 | ..... | 1.30 | ..... | ..... | 4 | 2.45 | 2.42 | 2.74 | 34.57 | 22.25 | |
| | | Buxar ... | 0.70 | 2.36 | 0.14 | 0.00 | ..... | 0.02 | ..... | 4 | 3.01 | 3.00 | 2.02 | 29.64 | 20.25 | |
| | | Dehree ... | 0.05 | 0.33 | 0.03 | ..... | 0.10 | ..... | ..... | 4 | 0.51 | 0.51 | 3.05 | 25.46 | 19.25 | |
| SOUTH BHAR | Shahabad ... | Bhabhoah ... | 0.05 | 0.12 | 0.24 | ..... | 0.24 | ..... | 0.05 | 5 | 0.75 | 1.30 | 3.08 | 28.70 | 22.15 | |
| | | Samsara ... | 0.65 | 0.46 | 0.05 | 0.06 | 0.08 | ..... | 0.04 | 6 | 1.34 | 1.45 | 3.04 | 25.24 | 20.00 | |
| | | Arwah ... | 1.52 | 0.45 | 1.02 | 0.06 | ..... | 0.60 | 0.04 | 6 | 4.82 | 5.07 | 3.01 | 47.79 | 21.15 | |
| | | Mehantia ... | ..... | ..... | 0.81 | ..... | ..... | ..... | 0.10 | 2 | 0.90 | 0.95 | ? | 11.11 | ? | |
| Gya ... | Aurangabad... | Gya ... | 0.06 | 0.13 | ..... | ..... | 1.23 | ..... | 0.41 | 4 | 1.87 | 1.87 | 3.55 | 25.08 | 19.25 | |
| | | Nowadah ... | 0.23 | 0.44 | | 0.07 | 0.02 | 0.21 | 0.45 | 0.06 | 5 | 0.87 | 1.67 | 3.19 | 34.40 | 21.40 |
| | | Jehanabad ... | 0.00 | 1.31 | ..... | 0.06 | ..... | 0.18 | ..... | 4 | 1.61 | 2.34 | 3.04 | 37.13 | 21.40 | |
| | | Arwal ... | 4.20 | 0.20 | 2.10 | | 0.30 | | 0.10 | | 4 | 6.70 | 6.20 | ? | 36.00 | 22.25 |
| Patna ... | Daudnagar ... | Sherrghati ... | ..... | 2.30 | ..... | 0.10 | ..... | ..... | ..... | 1 | 0.10 | 1.10 | ? | 17.10 | ? | |
| | | Rajauli ... | ..... | 0.45 | ..... | 2.05 | 1.00 | 0.28 | 0.15 | 5 | 4.81 | 5.21 | ? | 19.07 | ? | |
| | | Pakri Barawan ... | ..... | ..... | ..... | ..... | 2.30 | ..... | ..... | 1 | 2.30 | 2.00 | ? | 31.02 | ? | |
| | | Patna ... | 2.18 | 0.06 | ..... | 0.35 | ..... | 0.50 | ..... | 4 | 3.79 | 3.79 | 3.08 | 30.47 | 22.15 | |
| Monghyr ... | Dumapora ... | Barh ... | 0.60 | 0.40 | 0.00 | ..... | 0.00 | 0.30 | ..... | 5 | 3.40 | 3.47 | 3.14 | 27.80 | 22.15 | |
| | | Nabar ... | 1.38 | 0.18 | ..... | ..... | 0.03 | 1.68 | 0.05 | 5 | 3.40 | 3.52 | 2.00 | 31.30 | 22.15 | |
| | | Barh ... | 1.23 | 0.50 | ..... | ..... | 0.20 | 0.50 | ..... | 4 | 2.44 | 2.60 | 2.84 | 34.67 | 21.15 | |
| | | Buckram ... | 0.84 | 1.07 | 0.02 | 2.37 | ..... | 0.23 | ..... | 5 | 4.73 | 5.22 | ? | 41.00 | ? | |
| South Bhagulpore | Hilsa ... | Hilsa ... | 0.80 | 0.10 | 0.05 | ..... | 1.30 | 0.05 | ..... | 5 | 2.40 | 2.07 | ? | 33.34 | ? | |
| | | Begowal ... | 0.22 | 0.12 | ..... | 0.20 | ..... | 0.25 | ..... | 4 | 0.86 | 1.26 | 2.65 | 27.56 | 21.15 | |
| | | Monghyr ... | 0.01 | 0.11 | ..... | ..... | ..... | ..... | ..... | 2 | 0.76 | 1.60 | 3.30 | 34.35 | 21.15 | |
| | | Jamui ... | 0.11 | 0.60 | ..... | 0.13 | ..... | 0.32 | ..... | 4 | 1.10 | 1.20 | 3.71 | 42.43 | 21.15 | |
| South Bhagulpore | Gopri ... | Gopri ... | 4.42 | 1.32 | ..... | ..... | ..... | ..... | ..... | 2 | 5.74 | 7.00 | ? | 51.34 | ? | |
| | | Shahpura ... | 1.30 | 0.40 | ..... | 1.50 | ..... | 0.50 | ..... | 4 | 3.20 | 6.00 | ? | 35.43 | ? | |
| | | Bhagulpore ... | 2.10 | 1.05 | ..... | ..... | 0.05 | 0.04 | ..... | 4 | 3.35 | 6.94 | 3.40 | 37.00 | 22.15 | |
| | | Banks ... | 0.44 | 0.40 | ..... | ..... | 0.07 | 0.47 | 0.08 | 5 | 2.15 | 2.18 | 3.34 | 28.12 | 22.15 | |
| South Per-gunnah. | Kalgang ... | Kalgang ... | 1.02 | 0.40 | ..... | ..... | 0.08 | 0.08 | 0.10 | 4 | 2.20 | 2.02 | ? | 40.08 | 22.15 | |
| | | Bangson ... | 4.45 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 4.45 | 4.45 | ? | 45.23 | ? | |
| | | Rajmahal ... | 0.33 | 0.37 | ..... | ..... | 0.41 | 0.11 | 0.15 | 5 | 1.42 | 4.90 | 2.36 | 30.96 | 22.15 | |
| | | Godda ... | 0.08 | 0.25 | ..... | ..... | 0.30 | 0.10 | ..... | 4 | 1.23 | 2.73 | 2.60 | 33.87 | 22.15 | |
| Hamirbagh ... | Pasoor ... | Pasoor ... | 0.08 | 0.32 | ..... | ..... | 2.51 | 0.75 | 0.12 | 5 | 3.39 | 6.37 | 2.94 | 40.76 | 22.15 | |
| | | Nya Dookha ... | 4.78 | 0.08 | ..... | 0.11 | ..... | 0.50 | 0.03 | 6 | 6.50 | 8.26 | 4.01 | 49.30 | 22.15 | |
| | | Dookhar ... | 0.05 | 0.00 | ..... | ..... | 0.82 | 0.31 | 0.14 | 5 | 1.44 | 2.44 | 4.05 | 32.60 | 22.15 | |
| | | Jamtara ... | 0.00 | 0.08 | ..... | ..... | 0.40 | 0.27 | 0.23 | 5 | 1.18 | 1.40 | 3.20 | 40.21 | 22.15 | |
| Hamirbagh ... | Mohagama ... | Mohagama ... | 0.35 | ..... | 0.05 | 0.40 | ..... | 0.15 | ..... | 4 | 1.07 | 3.62 | ? | ? | ? | |
| | | Namast ... | 1.56 | ..... | ..... | ..... | 0.18 | ..... | ..... | 2 | 1.72 | 2.62 | ? | 30.50 | ? | |
| | | Pachamba ... | ..... | 0.15 | ..... | ..... | 0.23 | 0.15 | 1.63 | 4 | 2.16 | 2.36 | 3.97 | 38.33 | 22.15 | |
| | | (Girdi) ... | ..... | 0.51 | ..... | 1.19 | 0.17 | 0.03 | 0.06 | 5 | 1.95 | 2.00 | 4.33 | 31.67 | 22.15 | |
| Hamirbagh ... | Semitagoran ... | Semitagoran ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.05 | ? | ? | ? | |
| | | Mahudi Hills ... | | | | | | | | | | | 3.60 | ? | ? | ? |
| | | Jhoomra Hills ... | 1.30 | ..... | ..... | 1.30 | ..... | 0.10 | 0.40 | 4 | 2.90 | 2.90 | 4.68 | 37.70 | 22.15 | |
| | | Bark ... | 0.45 | 0.40 | ..... | ..... | 0.70 | 0.03 | ..... | 2 | 0.95 | 3.55 | ? | 30.07 | ? | |
| Lohardugga ... | Chatra ... | Chatra ... | ..... | 0.23 | ..... | 0.10 | 0.70 | 0.03 | ..... | 3 | 0.83 | 0.87 | ? | 26.20 | ? | |
| | | Karagdeha ... | ..... | ..... | ..... | ..... | 0.65 | 0.40 | 0.02 | 4 | 1.60 | 1.77 | ? | 30.41 | ? | |
| | | Romgar ... | ..... | ..... | ..... | ..... | 1.40 | 0.00 | 0.00 | 2 | 1.40 | 2.60 | ? | 24.60 | ? | |
| | | Lohardugga ... | 0.03 | ..... | ..... | ..... | 2.38 | 0.48 | 0.04 | 4 | 4.01 | 4.23 | 4.08 | 37.55 | 22.15 | |
| Lohardugga ... | Kunchi ... | Kunchi ... | ..... | 0.14 | ..... | ..... | 0.05 | 0.15 | 0.33 | 4 | 1.58 | 2.70 | 4.47 | 29.74 | 22.15 | |
| | | Palanow ... | 0.16 | 0.05 | ..... | 0.40 | 1.25 | 0.10 | 0.10 | 6 | 2.00 | 2.14 | 3.48 | 29.01 | 22.15 | |
| | | Sill ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Nil | Nil | Nil | ? | 31.80 | ? | |
| | | Balumat ... | | | | | | | | | | | ? | ? | ? | ? |
| Singbhoon ... | Hosonabad... | Hosonabad... | ..... | ..... | ..... | ..... | ..... | 1.00 | ..... | 1 | 1.00 | 1.00 | ? | 16.00 | ? | |
| | | warwah ... | | | | 2.75 | | | | | | | ? | ? | ? | ? |
| | | Chybhama ... | 0.12 | 0.14 | | | | 0.03 | 0.44 | 2 | 0.78 | 0.94 | 4.71 | 22.40 | ? | ? |
| | | Chakradhar-pore. | | | | | 1.14 | 0.25 | 0.08 | 3 | 1.47 | 1.47 | ? | 32.50 | ? | ? |
| Singbhoon ... | Ghatella ... | Ghatella ... | 0.88 | ..... | ..... | ..... | ..... | 1.75 | 0.30 | ..... | ..... | ? | ? | ? | ? |  |
| | | Baharagura... | | | | | | | | | | | ? | ? | ? | ? |
| | | Parulia ... | 1.012 | | | | 0.43 | 0.00 | 0.05 | 4 | 0.80 | 0.75 | 4.44 | 27.57 | ? | ? |
| | | Gobindpore ... | | 0.26 | | | 0.22 | 0.28 | 0.43 | 4 | 1.20 | 1.24 | 4.04 | 23.40 | ? | ? |
| Manbhoon ... | Kaghuat ... | Kaghuat ... | | | | | | 1.28 | 1.80 | 2 | 3.08 | 3.08 | ? | 37.28 | ? | ? |
| | | pur ... | | | | | | 0.08 | | 1 | 0.08 | 0.06 | ? | 30.34 | ? | ? |
| | | Barrabhoon ... | | | | | 0.02 | 0.08 | | 2 | 1.28 | 1.28 | ? | 31.03 | ? | ? |
| | | Jhalda ... | | | | | 0.08 | 0.16 | 0.36 | 3 | 1.17 | 1.07 | ? | 29.61 | ? | ? |
| Manbhoon ... | Chas ... | Chas ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ? | ? | ? | ? |  |
| | | | | | | | | | | | | | ? | ? | ? | ? |
| | | | | | | | | | | | | | ? | ? | ? | ? |
| | | | | | | | | | | | | | ? | ? | ? | ? |

Explanation.—..... indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 12th August 1890.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE
8TH OF AUGUST 1890.**

The features of interest in the meteorology of the past week are—

1. The high pressure which has prevailed throughout, giving an average excess of nearly a tenth of an inch in the east and north of the province, of a little over a twentieth in part of South-West Bengal and Chutia Nagpur, and about four-hundredths in Orissa.
2. The general low temperature, which, however, was more pronounced at the beginning and end of the week, a rise taking place during the partial break of the rains which spread over the province.
3. The scattered rainfall in Lower Bengal during the first few days and later in the northern districts.
4. A shallow depression, which, notwithstanding the prevailing high pressure, remained for some days, without causing any unsettled weather, in the neighbourhood of the Orissa coast.

At the commencement of the week pressure was rising, and rainfall had almost ceased in Orissa, Chutia Nagpur, and South-West and East Bengal with the exception of Nuddea, Dacca, and Mymensingh, but in North Bengal and Behar very heavy rain continued to fall. With the steadily rising pressure which continued without a break till the middle of the week, the monsoon current grew weaker in the northern districts, and rainfall rapidly diminished in amount, while wind velocity was generally below the average. The shallow depression in the north-east corner of the Bay first appeared on the 2nd to the south of Gopalpore, where a northerly wind was blowing, and apparently without deepening it kept that position till the 4th, the cyclonic circulation including the winds in its vicinity only. Pressure remained over 29·6 inches, but on the 6th a slow fall was general in the west of the Bay, when pressure, still lowest at Gopalpore was slightly under that amount. On the 7th the depression had passed away, but a small whirl still appeared in the north-west corner. This moved over the north of Orissa, rain becoming general in the southern districts, but it was still very scattered in Behar and North Bengal. Though there was a partial break in the rains, temperature remained low except about the 5th, when a slight excess obtained except in Behar. After rainfall again set in towards the end of the week, temperature again fell, and on Friday was below the normal by small amounts in all districts.

Pressure—Rose steadily during the early half of the week, but on the 5th a brisk fall occurred in Assam, East Bengal and North Bengal, and a slow to moderate fall elsewhere, after which slow downward changes continued in the western districts and a slow rise elsewhere till the 8th, when a brisk rise in the north-west corner of the Bay gave a more normal distribution there; the small depression which had existed for some days completely disappearing. The largest excess was on the 4th, when it varied from ·1 inch to ·15 inch over nearly the whole of Bengal, but was less than ·1 inch in Chutia Nagpur, Orissa, and Assam.

Temperature—Though not so low as in previous weeks, has on an average been largely below the normal in Behar, slightly below in Chutia Nagpur, North Bengal, and Assam, and almost normal in East Bengal, South-West Bengal, and Orissa. During the break in the rains in the early part of the week, there was an upward tendency in Lower Bengal, resulting in a small excess there, but as heavy general rain continued to fall in Behar, there was still defect of more than 5°. Mean defect for the week in North Behar is 2·1°, in South Behar 1·8°, in North Bengal and Assam ·6°, Chutia Nagpur ·4°, and in the other districts temperature has been practically normal.

Rainfall—As stated above, had become very light and scattered in Lower Bengal at the beginning of the week, but heavy falls were still being received in Behar. The break, however, gradually spread over the province, and by the middle of the week general light rain was falling in the lower districts, and scattered showers in North Bengal and Behar. Scattered rain continued to fall in Orissa, South-West Bengal, Chutia Nagpur, and East Bengal, from the 2nd to the 5th, after which general light rain fell till the end of the week. In the northern districts general rain fell from the 2nd to the 4th, and then the break commencing, scattered showers were received till the 8th with the exception of the 7th, when fairly general rain fell. The mean amounts for the week are all below the normal except in North Behar, where there is excess of 1·3 inches. Defect is about 1·3 inches in Orissa, East Bengal, and Chutia Nagpur, ·9 inch in South-West Bengal, ·7 inch in North Bengal, and about half an inch in South Behar.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 8th of August 1890:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | | | RAINFALL. | | | | | | | | |
|------------------------------|-------------------------------|------------------------------|-------------------------|------------------------|-----------------------|--|----------|-----------------|------------|-------------------------|--------------------------------|------------|------------------|-----------------|----------------------|-----------------|
| | Highest observed during week. | Lowest observed during week. | Averages for week. | | | Average mean of week above or below normal mean of week. | Of week. | | | Rainy days. | | | Since 1st month. | | Since 15th May 1890. | |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | | Average. | Normal average. | Variation. | Average number in week. | Normal average number in week. | Variation. | Average. | Normal average. | Average. | Normal average. |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Orissa | 81.9 | 75.7 | 85.0 | 78.7 | 83.4 | 0 | 1.50 | 2.84 | -1.34 | 2.8 | 4.2 | -1.0 | 1.30 | 2.65 | 26.07 | 26.48 |
| South-West Bengal ... | 92.6 | 78.7 | 88.8 | 78.3 | 83.8 | -0.1 | 2.09 | 2.96 | -0.87 | 4.0 | 4.6 | -0.6 | 3.31 | 3.62 | 29.23 | 29.47 |
| East Bengal | 90.8 | 78.8 | 86.6 | 77.0 | 81.9 | -0.3 | 2.80 | 4.10 | -1.30 | 4.8 | 8.6 | -1.1 | 3.30 | 4.77 | 46.46 | 33.91 |
| North Bengal | 92.8 | 74.1 | 86.8 | 78.1 | 83.8 | -0.7 | 2.51 | 3.21 | -0.70 | 3.6 | 4.7 | -1.1 | 3.77 | 3.62 | 42.96 | 40.65 |
| North Bihar | 91.2 | 78.6 | 86.8 | 77.4 | 83.1 | -2.1 | 4.00 | 2.70 | +1.30 | 4.5 | 4.9 | +0.8 | 4.31 | 3.16 | 40.29 | 26.08 |
| South Bihar | 90.9 | 75.8 | 86.4 | 77.8 | 82.0 | -1.8 | 2.20 | 2.74 | 0.46 | 4.6 | 4.1 | +0.5 | 2.19 | 3.27 | 23.41 | 22.65 |
| Chutia Nagpur | 86.8° | 69.9° | 82.0° | 72.1° | 77.6° | -0.4° | 2.80 | 2.23 | -1.33 | 4.3 | 5.2 | -1.0 | 2.20 | 4.18 | 26.28 | 26.94 |
| Assam | 94.6 | 76.9 | 86.4 | 77.4 | 81.9 | -0.6 | | | | | | | | | | |

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 12th August 1890.

O. LITTLE,

Offg. Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of July 1890.

| | Inches. | Date. | Hour. |
|--|---------|-----------------|-------|
| The mean pressure of the month | 29.532 | | |
| The average pressure of July from 24 years' registers ... | 29.537 | | |
| The highest pressure in the month | 29.761 | 3rd | 10 |
| The lowest pressure in the month | 29.347 | 20th | 16 |
| The range of pressure | 0.414 | | |
| <hr/> | | | |
| The total number of hours of bright sunshine during the month | 72.5 | | |
| The maximum possible number of hours of sunshine ... | 413.1 | | |
| <hr/> | | | |
| The mean temperature of the month | 82.8 | | |
| The average temperature of July from 24 years' registers ... | 83.5 | | |
| The highest temperature in the month | 90.1 | 18th. | |
| The lowest temperature in the month | 75.2 | 28th. | |
| The range of temperature during the month | 14.9 | | |
| The mean daily range of temperature | 9.4 | | |
| The greatest range of temperature in one day | 12.3 | 3rd. | |
| <hr/> | | | |
| The mean humidity of the month | 86 | | |
| The average humidity of July from 24 years' registers ... | 85 | | |
| <hr/> | | | |
| The mean vapour pressure of the month | 0.963 | | |
| The average vapour pressure of July from 9 years' registers ... | 1.002 | | |
| The mean cloud proportion of the month | 7.91 | | |
| The average cloud proportion of July from 13 years' registers | 8.02 | | |
| The total rainfall of the month | 10.29 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (month of the gauge about 52 feet above the ground) | 10.05 | | |
| The average fall of July from 48 years' registers | 12.84 | | |
| The greatest fall in 24 hours | 1.86 | 5th. | |
| <hr/> | | | |
| The number of rainy days in the month | 24 | | |
| The average number of rainy days in July from 24 years' registers | 25 | | |
| <hr/> | | | |
| The mean maximum equilibrium temperature of solar radiation during the month | 145.3 | | |
| The mean difference of sun and air temperatures | 58.3 | | |
| The greatest sun temperature | 156.9 | 19th. | |
| The greatest excess of sun over air temperature | 69.0 | 31st. | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth | 76.6 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground | 1.3 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature | 3.2 | 1st. | |
| <hr/> | | | |
| The mean movement of the wind per day | 100.3 | | |
| The greatest movement of the wind in one day | 282.0 | 2nd. | |
| The greatest movement of the wind in one hour | 22.0 | 1st 11 to noon. | |
| The number of hours with winds from each of the 8 points— | | | |
| N. 0, N.E. 19, E. 51, S.E. 111, S. 203, S.W. 235, W. 53, N.W. 7, Calm 65. | | | |

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 8 feet higher at Alipore, and, other things being equal, reads therefore .008 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0.6 higher; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

J. H. GILLILAND,

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 11th August 1890.

For Meteorological Reporter to the Govt. of India.

**Results of the Meteorological Observations taken at the Alipore Observatory from
3rd to 9th August 1890.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | TEMPERATURE. | | | | HYGROMETRY. | | | | WIND. | | Rain. | WEATHER. |
|--------|-------|-----------------|-------------------------------------|--------------------------------------|--------------|----------|--------|----------|----------------|------------------|------------|-----------|-----------------------|-----------------|---------|--------------------------------|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour pressure. | Dew point. | Humidity. | Prevailing direction. | Miles recorded. | | |
| 1890. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| Aug. | 3rd | 151.2 | 8.4 | 29.647 | 85.5 | 89.6 | 12.4 | 77.2 | 78.6 | 0.913 | 76.5 | 79 | ESE and calm | 54 | Nil | Partially cloudy, lr. |
| " | 4th | 155.7 | 9.4 | 29.645 | 84.2 | 89.8 | 12.0 | 77.8 | 79.5 | 0.940 | 77.5 | 80 | E, calm and variable | 30 | 0.03 | Partially cloudy, d. |
| " | 5th | 153.3 | 5.8 | 29.610 | 80.5 | 89.7 | 14.5 | 75.2 | 78.2 | 0.932 | 77.1 | 89 | E, calm and variable | 41 | 1.74 | Chiefly cloudy, d, t, p, o, g. |
| " | 6th | 147.5 | 1.5 | 29.588 | 81.7 | 86.4 | 10.2 | 76.2 | 78.9 | 0.958 | 77.8 | 88 | ENE, ESE and calm | 58 | 0.07 | Chiefly cloudy, o, g, c. |
| " | 7th | 140.5 | 1.6 | 29.593 | 81.6 | 85.8 | 9.9 | 75.9 | 79.0 | 0.960 | 78.0 | 89 | ESE and SE | 112 | 1.13 | Chiefly cloudy, o, d, p. |
| " | 8th | 148.3 | 2.7 | 29.611 | 82.3 | 86.4 | 10.3 | 76.1 | 79.4 | 0.966 | 78.2 | 87 | SSE | 57 | 0.11 | Chiefly cloudy, c. |
| " | 9th | 153.2 | 4.5 | 29.578 | 81.6 | 88.0 | 9.8 | 78.2 | 78.6 | 0.939 | 77.8 | 87 | E, calm and variable | 53 | Nil | Partially cloudy. |

The mean pressure of the seven days 29.610
The average pressure of the corresponding period for 24 years, S.-G.'s Office ... 29.586

The total number of hours of bright sunshine 83.4
The maximum possible number of hours of sunshine 91.2

The mean temperature of the seven days 82.2
The average temperature of the corresponding period for 24 years, S.-G.'s Office 83.1
The extreme variation of temperature 14.6
The maximum temperature 89.8

The highest velocity of the wind in one hour 13

The highest pressure of wind on one square foot Approximately 3 lbs.

The mean relative humidity 86
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office 86

The total fall of rain from 3rd to 9th August 1890 3.08
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 2.69
The total fall from 1st January to 9th August 1890 34.25
The average fall of the corresponding period for 24 years, S.-G.'s Office ... 38.44

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h., 10h., 16h., and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

c, overcast; g, gloomy; d, drizzling rain; t, thunder; p, passing temporary showers; lr, lightning reflection.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 11th August 1890.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of July 1890.

| | | Inches. | Date. |
|---|-----|---------|-------|
| The mean pressure at 10 A.M. during the month | ... | 29.581 | |
| The mean temperature at 10 A.M. during the month | ... | 84.3 | |
| The highest temperature during the month | ... | 91.6 | 3rd. |
| The lowest temperature during the month | ... | 75.8 | 28th. |
| The absolute range of temperature during the month | ... | 15.8 | |
| The mean daily range of temperature during the month | ... | 10.2 | |
| The greatest range of temperature in one day during the month | ... | 12.8 | 3rd. |
| The mean 10 A.M. humidity during the month | ... | 84 | |
| The mean 10 A.M. vapour pressure during the month | ... | .992 | |
| The total rainfall of the month | ... | 10.33 | |
| The greatest fall in 24 hours | ... | 4.17 | 10th. |
| The number of rainy days in the month | ... | 19 | |

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;
The 4th August 1890.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 3rd to 9th August 1890.

| MONTH. | Date. | Pressure at 10 A.M. corrected and reduced to 32° Fahr. | TEMPERATURE. | | | | | | HYGROMETRY. | | | Rainfall past 24 hours. |
|--------|-------|--|--------------|----------|--------|----------|---------------------|---------------------|----------------------------|----------------------|---------------------|-------------------------|
| | | | Daily mean. | Maximum. | Range. | Minimum. | Dry bulb at 10 A.M. | Wet bulb at 10 A.M. | Vapour pressure at 10 A.M. | Dew point at 10 A.M. | Humidity at 10 A.M. | |
| | | Inches. | ° | ° | ° | ° | ° | ° | Inches. | ° | % | Inches. |
| August | 3rd | 29.704 | 84.7 | 91.5 | 13.7 | 77.8 | 87.4 | 80.5 | .949 | 77.6 | 73 | ... |
| " | 4th | .992 | 85.4 | 92.0 | 13.2 | 78.8 | 87.6 | 81.3 | .984 | 78.7 | 75 | ... |
| " | 5th | .644 | 86.4 | 91.8 | 12.9 | 79.0 | 86.6 | 81.5 | 1.008 | 79.5 | 80 | 0.15 |
| " | 6th | .637 | 82.0 | 87.3 | 10.5 | 76.8 | 83.1 | 79.5 | .961 | 78.0 | 85 | 2.30 |
| " | 7th | .651 | 82.0 | 87.0 | 9.0 | 77.1 | 83.4 | 80.0 | .979 | 78.6 | 85 | 0.44 |
| " | 8th | .671 | 82.4 | 88.0 | 11.2 | 76.8 | 82.1 | 79.5 | .975 | 78.4 | 89 | 0.39 |
| " | 9th | .639 | 84.4 | 90.0 | 11.2 | 78.8 | 86.1 | 81.5 | 1.015 | 79.7 | 82 | ... |

The mean 10 A.M. pressure of the seven days ... 29.663

The mean temperature of the seven days ... 83.8

The extreme variation of temperature ... 15.2

The maximum temperature ... 92.0

The mean 10 A.M. relative humidity of the seven days ... 81

The total fall of rain from 3rd to 9th August 1890 ... 3.28

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA ;
The 11th August 1890.

MEMORANDUM.

Weekly review of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 26th July 1890.

BIRTHS.

The births registered during the week ending with Saturday, the 26th July 1890, in twenty-seven principal towns of Bengal, correspond to an annual rate of 18·2 per 1,000 of the aggregate population of those towns, which is 1,061,574. This rate is 2·7 lower than the average rate of the corresponding week of the past five years, and is also lower than the rate of the corresponding week of any of the past five years except 1887—*vide* the figures below :—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of births per 1,000 of the population per annum | 26·9 | 20·7 | 15·9 | 19·3 | 21·2 | 20·9 | 18·2 |

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|----------------|-----------------|-----------------|-----------------|--------------|----------------|-----------------|-----------------|-----------------|
| | 8th July 1890. | 12th July 1890. | 19th July 1890. | 26th July 1890. | | 8th July 1890. | 12th July 1890. | 19th July 1890. | 26th July 1890. |
| Burdwan | 16·8 | 15·7 | 20·5 | 12·3 | Narainganj | 4·1 | 20·7 | 16·0 | 29·0 |
| Midnapore | 17·0 | 23·2 | 29·4 | 7·7 | Chittagong | 42·3 | 22·2 | 4·7 | 14·1 |
| Hughli and Chinsurah | 26·9 | 18·1 | 32·3 | 23·0 | Comillah | 34·7 | 3·8 | 7·7 | 15·4 |
| Serampore | 26·5 | 13·7 | 31·4 | 23·6 | Patna City | 10·1 | 11·4 | 11·4 | 12·7 |
| Utterpara | 37·7 | 23·3 | 18·9 | | Gya | 14·3 | 29·4 | 26·0 | 33·5 |
| Howrah | 21·2 | 17·3 | 14·3 | 15·5 | Arrah | 14·4 | 23·9 | 17·9 | 19·1 |
| Bali | 19·5 | 22·1 | 5·5 | 14·0 | Mosufferpore | 13·4 | 18·2 | 15·8 | 13·4 |
| Kishnagar | 1·9 | 17·0 | 15·1 | 11·4 | Durbhanga | 15·4 | 22·2 | 18·9 | 27·5 |
| Ranaghat | 18·9 | 18·0 | 12·0 | 12·0 | Chupra | 7·0 | 12·1 | 20·1 | 11·1 |
| Santipore | 12·3 | 10·5 | 19·2 | 18·5 | Bhagulpore | 29·9 | 19·9 | 22·3 | 18·1 |
| Jessore | 6·1 | 6·1 | 18·4 | 6·1 | Monghyr | 14·5 | 38·9 | 33·4 | 41·6 |
| Rampore Beaulah | 34·2 | 18·4 | 23·6 | 18·4 | Purneah | 17·3 | 3·2 | 6·9 | 20·8 |
| Darjiling | 14·8 | 27·0 | 22·2 | 22·2 | Poori | 23·1 | 14·7 | 10·3 | 18·9 |
| Dacca | 11·0 | 9·7 | 15·6 | 9·7 | Total | 10·2 | 18·2 | 19·1 | 18·2 |

It will be seen that last week the highest birth-rate was returned from Monghyr (41·6), and the lowest from Jessore (6·1).

DEATHS.

The deaths registered during the week under review correspond to an annual rate of 23·1 per 1,000 of the population. The rate of the week is 6·1 below the average rate of the corresponding week of the past five years, and also below the rate of the corresponding week of any of the past five years except 1888—*vide* the figures below :—

| | 1885. | 1886. | 1887. | 1888. | 1889. | Weekly average of five years 1885—89. | 1890. |
|---|-------|-------|-------|-------|-------|---------------------------------------|-------|
| Ratio of deaths per 1,000 of the population per annum | 38·1 | 25·9 | 23·6 | 19·3 | 26·2 | 29·2 | 23·1 |

The deaths registered in each of the last four weeks in each of the twenty-seven towns correspond to the following rates per 1,000 of the population :—

| TOWNS. | WEEKS ENDING— | | | | TOWNS. | WEEKS ENDING— | | | |
|----------------------|----------------|-----------------|-----------------|-----------------|--------------|----------------|-----------------|-----------------|-----------------|
| | 8th July 1890. | 12th July 1890. | 19th July 1890. | 26th July 1890. | | 8th July 1890. | 12th July 1890. | 19th July 1890. | 26th July 1890. |
| Burdwan | 16·8 | 22·9 | 19·3 | 27·5 | Narainganj | 2·3 | 24·2 | 16·0 | 10·0 |
| Midnapore | 21·7 | 23·2 | 25·6 | 17·0 | Chittagong | 37·6 | 29·9 | 18·8 | 13·8 |
| Hughli and Chinsurah | 23·0 | 21·3 | 19·7 | 24·6 | Comillah | 46·2 | 26·9 | 26·9 | 35·5 |
| Serampore | 29·4 | 29·4 | 45·1 | 39·3 | Patna City | 13·3 | 14·9 | 14·6 | 15·8 |
| Utterpara | 9·4 | 18·9 | 50·6 | 47·2 | Gya | 26·0 | 22·1 | 32·1 | 37·6 |
| Howrah | 8·6 | 11·5 | 16·0 | 13·7 | Arrah | 21·1 | 25·9 | 23·9 | 26·5 |
| Bali | 24·6 | 3·6 | 7·9 | 21·1 | Mosufferpore | 21·6 | 31·6 | 29·2 | 22·2 |
| Kishnagar | 13·2 | 3·8 | 3·8 | 11·4 | Durbhanga | 17·8 | 22·6 | 22·2 | 22·2 |
| Ranaghat | 6·0 | 18·0 | 24·0 | 12·0 | Chupra | 6·0 | 21·1 | 16·1 | 18·1 |
| Santipore | 14·0 | 8·8 | 17·5 | 15·8 | Bhagulpore | 15·4 | 15·4 | 10·0 | 22·0 |
| Jessore | 18·4 | 20·6 | 42·8 | 12·2 | Monghyr | 9·0 | 25·2 | 26·2 | 25·3 |
| Rampore Beaulah | 15·8 | 10·5 | 5·3 | 23·6 | Purneah | 10·4 | 13·9 | 10·4 | 10·4 |
| Darjiling | 51·9 | 22·2 | 37·0 | 22·1 | Poori | 26·0 | 65·0 | 44·1 | 26·7 |
| Dacca | 21·6 | 15·6 | 23·4 | 15·6 | Total | 20·1 | 21·4 | 22·0 | 23·1 |

It will be seen that last week the highest mortality occurred in the town of Utterpara (47·2), and the lowest in Purneah (10·4).

Measured by last week's mortality, the highest annual death-rates from the following registered death-causes were as follows:—

| <i>Cholera.</i> | | <i>Fever.</i> | | <i>Bowel-complaints.</i> | | <i>Other causes.</i> | |
|-----------------|------------------|---------------|------------------|--------------------------|------------------|----------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Arrah | ... 14·3 | Comillah | ... 34·7 | Utterpara | ... 37·7 | Gya | ... 18·0 |
| Chupra | ... 11·1 | Rampore | ... 21·0 | Poori | ... 21·0 | Mozufferpore | ... 13·4 |
| Midnapore | ... 9·3 | leah | ... | | | Serampore | ... 11·8 |
| Serampore | ... 7·8 | | | | | Hughli and Chin- | |
| Mozufferpore | ... 6·0 | | | | | surah | ... 11·5 |
| Durbhanga | ... 6·5 | | | | | Monghyr | ... 10·8 |
| Patna City | ... 3·9 | | | | | Burdwan | ... 10·7 |
| Gya | ... 2·7 | | | | | | |

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 3·3 from cholera, against 2·5 per 1,000 in the preceding week; 1 from small-pox, against 4; 10·2 from fever, against 8·6; 2·4 from bowel-complaints, against 3·1; 9 from injury, against 8; and 6·2 from other causes, against 6·6 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

| <i>According to Sex.</i> | | <i>According to Class.</i> | | <i>According to Age.</i> | |
|--|------------------|----------------------------|------------------|--------------------------|------------------|
| | Ratio per mille. | | Ratio per mille. | | Ratio per mille. |
| Males | ... 24·0 | Christians | ... 14·9 | Under 1 year | ... 211·0 |
| Females | ... 22·2 | Hindus | ... 23·3 | 1 and under 5 years | ... 28·5 |
| Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population | 108 | Mahomedans | ... 23·1 | 5 " 10 " | ... 15·5 |
| | | | | 10 " 15 " | ... 15·7 |
| | | | | 15 " 20 " | ... 9·6 |
| | | | | 20 " 30 " | ... 11·3 |
| | | | | 30 " 40 " | ... 14·5 |
| | | | | 40 " 50 " | ... 17·4 |
| | | | | 50 " 60 " | ... 23·5 |
| | | | | 60 years and upwards | ... 54·6 |

Detailed information regarding the vital statistics of the twenty-seven towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

The 11th August 1890.

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 9th August 1890,
as compared with the corresponding week of the previous year.*

| NATURE OF CARGO. | WEEK ENDING SATURDAY, THE 9TH AUGUST 1890. | | | WEEK ENDING SATURDAY, THE 10TH AUGUST 1889. | | |
|--------------------|---|---------------------|----------|--|---------------------|----------|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... | 386 | 88,500 | 1,339 | 261 | 62,570 | 819 |
| Jute ... | 46 | 11,800 | 249 | 35 | 15,975 | 289 |
| Firewood ... | 165 | 95,650 | 1,398 | 159 | 83,475 | 1,226 |
| Other articles ... | 722 | 2,05,995 | 2,652 | 715 | 1,70,025 | 2,400 |
| Total ... | 1,319 | 4,19,445 | 5,638 | 1,170 | 3,32,045 | 4,734 |

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 2nd August 1890, on 1,525½ miles open.

| | COACHING TRAFFIC. | | MERCHANDISE AND MINERAL TRAFFIC. | | Other earnings (estimated). | Total earnings. | TRAFFIC TRAIN-MILES RUN. | | |
|--|--------------------------|---------------|----------------------------------|----------------|--------------------------------|-----------------|--------------------------|-------------------|----------|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchan- dise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 232,719 | 2,22,492 6 0 | 14,73,505 20 | 3,22,122 5 0 | 19,104 13 6 | 5,64,729 8 6 | 64,569 | 72,780 | 137,349 |
| Or per mile of railway ... | 146 8 1 | | | 211 2 8 | 12 8 4 | 370 3 1 | | | |
| For previous 4 weeks of half- year ... | 869,367 | 8,69,756 13 0 | 71,29,710 20 | 15,62,769 5 0 | 89,352 2 0 | 25,01,878 4 0 | 243,222½ | 295,885½ | 539,107½ |
| Total for 5 weeks ... | 1,122,086 | 10,92,240 3 0 | 86,03,216 0 | 18,84,991 10 0 | 85,450 15 6 | 30,00,007 12 6 | 307,851½ | 368,668½ | 676,519½ |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 221,442 | 2,22,122 13 8 | 19,59,147 30 | 4,51,769 1 0 | 16,836 14 3 | 6,70,739 12 11 | 65,058 | 77,864 | 142,922 |
| Per mile of railway correspond- ing week of previous year ... | | 145 9 9 | | 293 0 8 | 11 0 10 | 439 11 6 | | | |
| Total to corresponding date of previous year ... | 1,234,298½ | 11,90,505 3 7 | 1,11,15,388 20 | 23,64,037 6 0 | 89,654 0 6 | 36,47,190 9 1 | 323,197 | 439,381 | 762,438 |

*Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works
Department Circular No. XXI, Railway, dated 23rd July 1883.*

| RECEIPTS FOR WEEK ENDING 3RD AUGUST 1889. | | | RECEIPTS FOR WEEK ENDING 2ND AUGUST 1890. | | | TOTAL RECEIPTS FROM 1ST APRIL 1889 TO 3RD AUGUST 1889. | | | TOTAL RECEIPTS FROM 1ST APRIL 1890 TO 2ND AUGUST 1890. | | | Total increase in 1890. | Total decrease in 1890. |
|--|-----------|------------------------|--|-----------|------------------------|--|-----------------|---------------------------------------|--|-----------------|---------------------------------------|-------------------------------|-------------------------------|
| Mean passenger work d. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Rs. | Rs. |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | Rs. | Rs. | | |
| 1,525½ | 6,70,740 | 440 | 1,525½ | 5,64,730 | 370 | 1,625½ | 1,50,73,937 | 371 | 1,525½ | 1,42,05,659 | 517 | | 14,69,378 |